Reviewed by: O'Hanlon
Recommended for SEA
9/25/92

EBASCO

ARCS II PROGRAM

Remedial Planning Activities at Selected Uncontrolled Hazardous Substance Disposal Sites Within EPA Region II (NY, NJ, PR, VI)

EPA Contract 68-W8-0110

EBASCO

An ENSERCH® Engineering and Construction Company

EPA WORK ASSIGNMENT NUMBER 041-2Z00
EPA CONTRACT NUMBER 68-W8-0110
EBASCO SERVICES INCORPORATED

ARCS II PROGRAM

FINAL DRAFT
ENVIRONMENTAL PRIORITIES INITIATIVE/ PRELIMINARY ASSESSMENT (EPI-PA)
BARTLO PACAKAGING, INC.
CITY OF PASSAIC
PASSAIC COUNTY, NEW JERSEY
CERCLIS NO. NJD061350179

SEPTEMBER 1992

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NOTICE

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SITE SUMMARY AND RECOMMENDATION

Bartlo Packaging, Incorporated (CERCLIS No. NJD061350179) is an active facility located at 61 Willet Street in Passaic, Passaic County, New Jersey. The site is located in an industrial area and is approximately 60,000 square feet in area. The complex consists of office space, a production building, and a storage building. The site is bordered by paved streets to the north, west, and south; and a parking lot and additional buildings lie to the east. Bartlo Packaging began operations on site in 1974. Prior to that time, the property was owned by the Manhattan Rubber Company through 1972. The site was vacant for two years, from 1972 to 1974. Figure 1 depicts the regional location of the site and Figure 2 provides a site sketch.

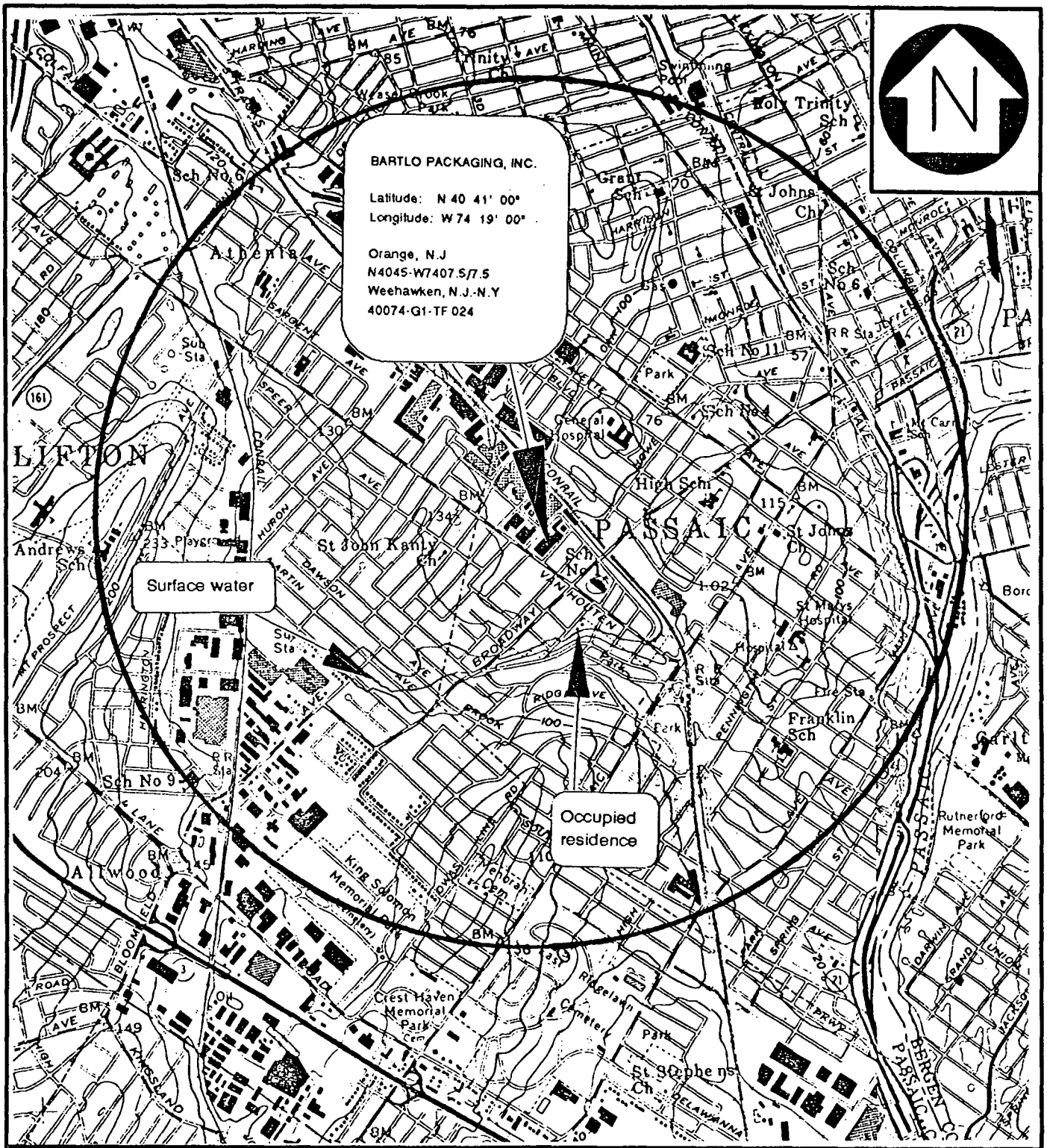
Bartlo Packaging specializes in the contract packaging of chemical powders for the agricultural industry. Bulk materials received for repackaging are emptied into specially designed negative pressure hoppers, which are mounted over automatic pouch, form, fill, and seal machines.

A specific amount of the product is weighed and metered, placed into a bag, which is then sealed. Dust generated from the chemical powder is vented out of the machine and into baghouse dust collectors. Bartlo employs 55 people in this operation.

Bartlo submitted a Notification of Hazardous Waste Activity and Hazardous Waste Permit Application to the U.S. Environmental Protection Agency in 1980. The facility subsequently received a Resource Conservation and Recovery Act (RCRA) Part A Permit and in 1982 was listed as a RCRA hazardous waste treatment, storage, and disposal (TSD) facility. One solid waste management unit (SWMU), known as the Hazardous Material Container Storage Area, was identified in the RCRA application. In 1986, Bartlo requested that they be delisted as a TSD facility, but retain generator status. In compliance with RCRA requirements, Bartlo submitted a closure plan for the Container Storage Area to the New Jersey Department of Environmental Protection and Energy (NJDEPE). NJDEPE approved the plan and formal closure of the area was completed in 1987. The Container Storage Area is still in use today as a 90-day hazardous waste storage area, as required by RCRA for generators. The facility's TSD status was terminated in 1991. Bartlo currently produces approximately 10,000 pounds of hazardous wastes annually.

The SWMU is a segregated portion of the floor of the storage building, measuring approximately 12,000 square feet, where metal and fiber drums containing hazardous waste material from the repackaging process are stored. The waste material consists of the chemical dust collected from the baghouse filters and plastic packaging material contaminated with the dust. The SWMU is segregated by the use of a chain, however it is still accessible to all employees. There is no containment structure around the SWMU. There have been no documented or alleged cases of improper waste disposal or accidental release from the site.

In analyzing the groundwater pathway, the aquifer of concem is identified as the Passaic Formation, which is also known as the Brunswick Formation. The Passaic Formation is comprised of shale, mudstone, sandstone, and conglomerate. Groundwater is transmitted in the aquifer through a network of joints and fractures and exists under artisan conditions. Groundwater movement is generally in a northeast to southwest direction. The zone of greatest permeability is found between 200 and 600 feet. The aquifer is overlain by a hydraulically

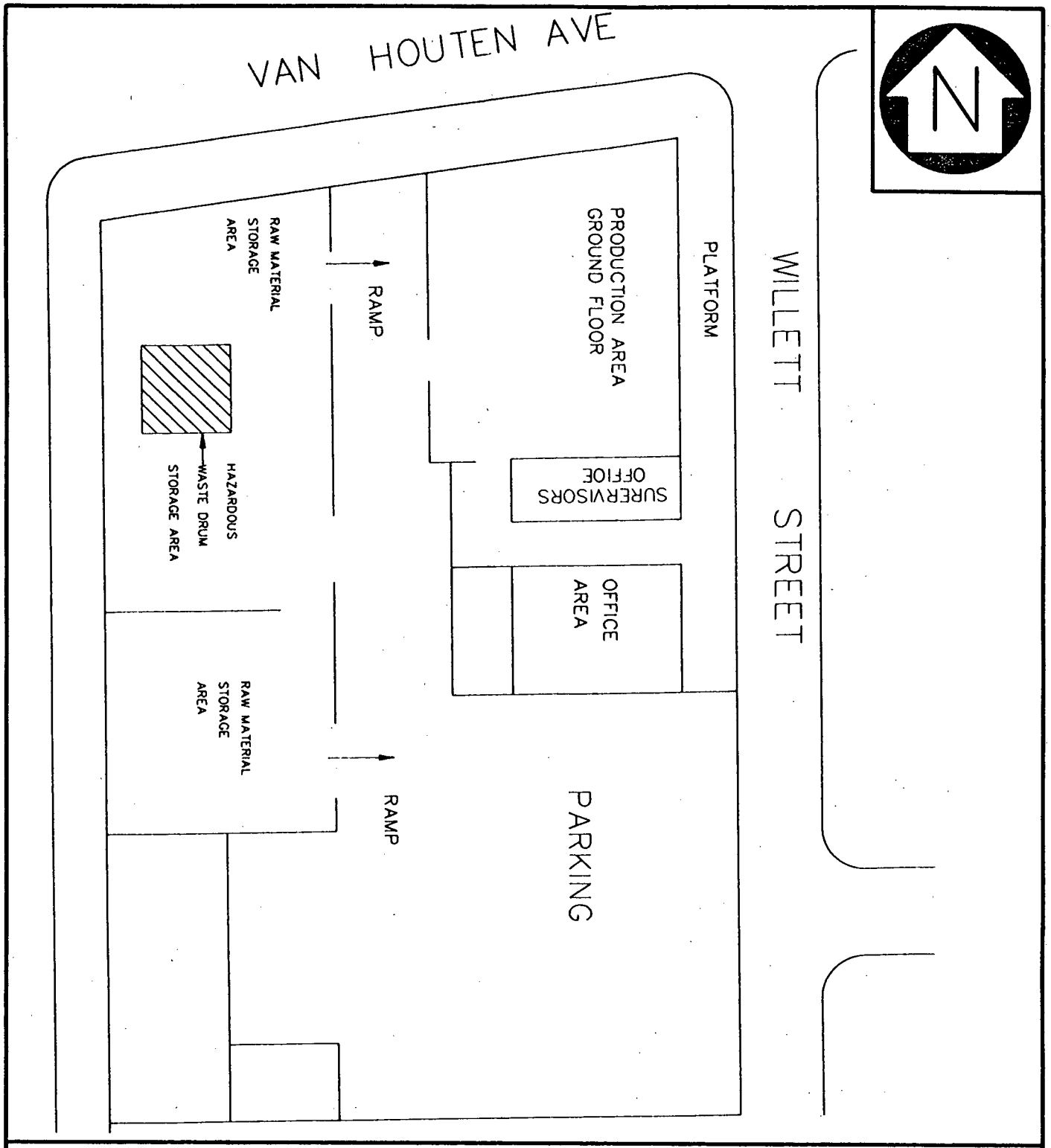


LOCATION MAP

BARTLO PACKAGIMG, INC.
PASSAIC, PASSAIC COUNTY, NEW JERSEY

EBASCO ENVIRONMENTAL

FIGURE 1



SCALE NONE

SITE SKETCH

BARTLO PACKAGING, INC.
PASSAIC, PASSAIC COUNTY, NEW JERSEY

EBASCO ENVIRONMENTAL

FIGURE 2

connected confining layer of unconsolidated glacial deposits of silt, clay, till, gravel, and artificial deposits. The aquifer of concem is used by the surrounding communities as a source of drinking water. The City of Montclair, which occupies approximately 25% of the area within 2 to 4 miles of the site, uses a blended system of surface water (75%) and groundwater (25%). Some residents in the nearby cities of Clifton and Nutley draw in artisan bedrock wells for drinking water. The nearest well to the site, located behind the Clifton City Hall, is located 1.3 miles east of the site. The total population within four miles estimated to draw upon the aquifer of concem for drinking water is 17,726.

There is no potential for release to the groundwater pathway. The SWMU is located indoors and the hazardous wastes contained are dusts and solid materials. The outside area is paved, with runoff directed into stormwater drains.

The site is located outside the 500-year floodplain and relatively flat, sloping gently to the north and completely paved. Runoff from the site is routed to the municipal storm sewers. The municipal storm sewers eventually discharge to the MacDonald Brook, the nearest surface water and probable point of entry (PPE), located approximately 0.3 miles south of the site. The MacDonald Brook flows south for approximately 0.9 miles and discharges to the Passaic River. The Passaic River flows south for approximately 11.4 miles and eventually discharges into Newark Bay, which makes up the remainder of the 15-mile surface water pathway.

The potential for release to the surface water pathway is minimal. The SWMU is indoors and the wastes are primarily solid materials. There are no surface water intakes, wetlands, or fisheries within a 15 mile downstream route. There are, however, four sensitive environments -- the MacDonald Brook, the Passaic River, Newark Bay and a tidal flats estuary -- located within the 15 mile route.

The potential for release via the soil pathways is also minimal. Since the SWMU is indoors and wastes are contained in drums, there is little, if any chance of exposure to the hazardous wastes to the 55 on site workers. There are no schools, day care facilities, or terrestrially sensitive environments within 200 feet of the site. The nearest occupied residence is approximately 1300 feet from the site.

The potential for a release to the air is low. The wastes are predominantly dry and non-volatile solids. They are stored in closed containers on an impervious layer located in a building. A fire or accident could release wastes into the air, affecting the 161,069 people who live within a four mile radius. A malfunction of the dust collector could release dust comprised of chemicals, including pesticides into the interior of the building. However, there have been no reported releases from the containers or dust collection system.

In conclusion, the Bartlo Packaging, Incorporated, site poses no immediate threat to the public health or the environment. There have been no reported releases of hazardous wastes to the groundwater, surface water, soil, or air from the facility. Wastes are stored indoors in sealed drums and are removed from the site within a 90 day period.

SITE ASSESSMENT REPORT: ENVIRONMENTAL PRIORITIES INITIATIVE/ PRELIMINARY ASSESSMENT (EPI-PA)

PART I: SITE INFORMATION

1. Site Name/Alias: Bartlo Packaging, Inc.

   Street: 61 Willet Street

   City: Passaic State: New Jersey Zip Code: 07055

2. County: Passaic County Code: 031 Cong. Dist.: 031

3. EPA ID No.: NJD061350179

4. Block No.: 3274 Lot No.: 1

5. Latitude: N 40° 51' 20" Longitude: W 74° 08' 45"

   USGS Quad.: Orange, NJ

6. Owner: Bartlo Packaging, Inc. Tel. No.: 201-778-6900

   Street: 6 Willet Street

   City: Passaic State: New Jersey Zip Code: 07005

7. Operator: Bartlo Packaging, Inc. Tel.No.: 201-770-6900

   Street: 6 Willet Street

   City: Passaic State: New Jersey Zip Code: 07005

8. Type of Ownership

   ⊗ Private O Federal O State

   O County O Municipal O Unknown O Other

9. Owner/Operator Notification on File

   ⊗ RCRA 3001 Date: 10/9/80 O CERCLA 103C Date:

   O None O Unknown

10. Permit Information

Permit	Permit No.	Date Issued	Expiration Date	Comments
NJDEP *	031055	4/13/77	7/1/97	APC,dust

* NJDEP Air Pollution Control (APC) Permit for baghouse equipment

11. Site Status

⊗ Active O Inactive O Unknown

12. Years of Operation: 1974 to Present

13. Identify the types of waste sources (eg., landfill, surface impoundment, piles, stained soil, above or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site.

(a) Waste Sources

Waste Unit No.	Waste Source Type	Facility Name for Unit
1	Drums with solid waste	Hazardous Waste Container Storage Area
2		

(b) Other Areas of Concem

Identify any miscellaneous spills, dumping, etc. on site; describe the materials and identify their locations on site.

Dust is generated by the repackaging of agricultural chemicals and is collected by negative pressure dump hoppers and containerized as hazardous waste. Small spills of dust and dry chemicals were cleaned up and the material containerized as hazardous waste.

14. Information available from

Contact: Luz Martinez Agency: USEPA Tel.No.: (212) 264-4561

Preparer: J.C. Lennon Agency: CCJM Date: August 22, 1992

PART II: WASTE SOURCE INFORMATION (For RCRA Solid Waste Management Units (SWMUs))

For each of the waste units identified in Part I, complete the following items.

Waste Unit No.	Waste Unit Type	Facility Name for Unit
1	Drums	Hazardous Waste Container Storage area

1. Identify the RCRA status and permit history, if applicable, and the age of the SWMU

   In 1982, Bartlo Packaging, Inc. was listed as a RCRA hazardous waste Treatment, Storage, or Disposal (TSD) facility. In 1986, the facility's operators requested that they be delisted as a TSD facility, but retain generator status. In compliance with RCRA requirements, a closure plan for the Container Storage Area was submitted to and approved by the NJDEP. The formal closure of the area was completed in 1987. The Container Storage Area is still in use as a 90-day hazardous waste storage area, as required by RCRA for generators. The facility's TSD status was terminated in 1991.

2 Describe the SWMU and clearly identify its location on a site map

   The Container Storage Area measures approximately 30 feet by 40 feet and occupies an area of the flat concrete floor of one of the facility's buildings. Drums containing hazardous waste are stored on wooden pallets and the area is secured with a metal chain.

3. Identify the size or quantity of the waste (e.g., area or volume of a landfill or surface impoundment, number and capacity of drums, or tanks,). Specify the quantity of hazardous substances in the waste unit.

   The facility produces 10,000 pounds of waste annually which are accumulated over the 90-day period as required for generators. The quantity of waste within the area varies accordingly over the year. The waste is stored in steel and fiber drums.

4. Identify the physical state(s) of the waste(s) as disposed of in the SWMU. The physical state(s) should be categorized as follows: solid, powder or fines, sludge, slurry, liquid or gas.

   The physical state hazardous waste disposed of in the SWMU is solid. Liquid waste is occasionally disposed of.

5. Identify specific hazardous substance(s) known or suspected to be present in the SWMU.

Based on hazardous waste manifests submitted in 1992, waste presently stored at the facility includes:
-Carbamate Pesticide, solid, UN2757, Poison B, Waste No.P066; contains Methomyl.
-Hazardous waste, solid, N.O.S., NA9189, ORM-E, Waste No.U192; contains Pronamide.

6. Describe the containment of the SWMU unit as it relates to releases to groundwater, surface water, soil and air.

The wastes are predominately dry solid materials. No drains were observed near the Container Storage Area, which is located on the flat concrete floor of the facility's building, limiting the potential for release to surface water, groundwater and soil. Fire and accidental spillage could result in spillage of the dry chemicals, with a potential for release to municipal storm water drains.

SWMU-specific Conclusion:

No release of hazardous substances is known, alleged, or suspected to have occurred from this SWMU.

Ref. No. 1 through 18

PART III: PREVIOUS INVESTIGATIONS

EXISTING ANALYTICAL DATA (IF ANY)

There is no existing analytical data.

SITE RECONNAISSANCE RESULTS

The Bartlo Packaging, Inc. site is an active facility located at 61 Willet Street, Passaic, Passaic County, New Jersey (Figure 1). The site is bounded by Willet Street to the north, Van Houten Avenue to the west and Blaine Street to the south. A parking lot and additional buildings are located to the east of the facility. The site is located in an industrial area. The facility consists of office space, a processing building and a storage building and employs approximately 55 people (Figure 2). The facility repackages agricultural products, including pesticides. No herbicides are handled at the facility.

At the time of the site visit, no spills were observed. Process and storage areas were clean and dry. All repackaging processes are confined to the processing building. Both products and wastes (hazardous and non-hazardous) are stored in a separate building. Drums containing hazardous wastes were stored on wooden pallets in the Hazardous Waste Container Storage Area, which is secured by a metal chain. There were no diversion or containment structures around the area. Dust created by the repackaging process is collected by a NJDEP permitted dust collection system and containerized as hazardous waste. Approximately 10,000 pounds of waste is generated each year.

PART IV: HAZARDOUS WASTE ASSESSMENT

GROUNDWATER ROUTE

1. Describe the likelihood of the release of contanminant(s) to the groirndwater as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provided rationale for attributing them to the site. For observed release, define supporting analytical evidence.

   There is no likelihood of the release of contaminants to the groundwater from this site. The wastes are predominately dry solids, stored in closed containers on an impervious surface in a building. The containers are in good condition. No spills have been reported at this site.

   Ref. No. 1 through 18

2. Describe the aquifer of concern; include information such as depth, thickness, geologic composition, areas of karst terrain, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction.

   The aquifer of concern is the Passaic Formation, also known as the Brnnswick Formation. The Passaic formation is comprised of shale, mudstone, sandstone and conglomerate. Groundwater in the formation is found in a network of joints and fractures. Groundwater flows parallel to the strike of the beds, which trend northeast to southwest. The joints and fractures decrease in number and size with depth. Unconsolidated glacial deposits, comprised of silt, clay, till, gravel and artificial fill overlie the Passaic Formation. The permeability of glacial till, sandy silts and clayey sands is 10^{-6} to 10^{-4} cm/sec. Glacial outwash has a permeability of 10^{-3} to 10^{-1} cm/sec. The glacial deposits and the Passaic formation are hydraulically continuous. In lowland areas the glacial till, clay and silt may create confining conditions in the bedrock aquifer. The average reported yield of wells tapping the Brnnswick Formation is 200 gpm. The zone of greatest permeability in the bedrock is found between 200 and 600 feet in depth. The sand and gravel beds of the glacial deposits are limited in areal extent and are not significant aquifers. Site specific hydrogeology and the depth of the water table below the site are not known. Bedrock wells located in the adjacent cities of Clifton (1.3 miles from the site and 200 feet deep) and Nutley (2.6 miles from the site and 300 feet deep) have artesian flow.

   Ref. No. 19 through 22

3. **Is a designated well head protection area within 4 miles of the site?**

There is no well head protection area within 4 miles of the site.

Ref. No. 21 through 24

4. **What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer of concern?**

The distance between ground level (wastes are stored inside a building on the floor) and the water level in the aquifer of concem (Brunswick) is 200 feet.

Ref. No. 1 and 19 through 22

5. **What is the permeability value of the least permeable intervening stratum betwenn the ground surface and the aquifer of concern?**

The permeability of glacial till is 10-6 to 10-4 cm/sec.

Ref. No. 20

6. **What is the net precipitation for the area?**

The net precipitation is approximately 12.0 inches

Ref. No. 25

7. **What is the distance to and depth of the nearest well that is currently used for drinking purposes?**

An artesian well located behind the Clifton City Hall (approximately 1.3 miles from the site and 200 feet deep) is presendy being used by an unknown number of residents, who draw the water into portable containers at the well site.

Ref. No. 22

8. **If a release to groundwater is observed or suspected, determine the number of people that obtain drinking water from wells that are documented or suspected to be located within the contaminated boundary of release.**

No release to groundwater has been observed or suspected.

Ref. No. 1 through 18

9. Identify the population served by wells located within 4 miles of the site that draw from the aquifer of concern.

Distance	Population
0-1/4 mi	0
>1/4-1/2 mi	0
>1/2-1 mi	0
>1-2 mi	0
>2-3 mi	7,659
>3-4 mi	10,067

The City of Montclair, whose closest border is 2 miles from the site, has a blended water supply system with 25% well water and 75% surface water. The City occupies approximately 25% of the area that lies between 2 to 4 miles from the site. All of the population within 2 miles of the site is served by surface water. The population figures between 2 and 4 miles were multiplied by 0.25 twice to arrive at the above figures. It is not known how many residents use the artesian bedrock wells in Clifton and Nutley.

Ref. No. 21 through 24, 26, 27

10. Identify uses of groundwater within 4 miles of the site (i.e. private drinking source, municipal source, commercial, irrigation, unusable.

All groundwater wells identified within 4 miles of the site are municipal sources. It is not known if commercial or irrigation wells exist in the area.

Ref. No. 21 through 24

SURFACE WATER ROUTE

11. Describe the likelihood of a release of contaminant(s) to surface water as follows: observed release, suspected release, of none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence.

There is no likelihood of a release of contaminants to surface water from this site. The wastes are predominantly dry solids, stored in closed containers on a an impervious surface located in a building.

Ref. No. 1 through 18

12. **Identify the nearest downslope surface water if possible, include a description of possible surface drainage patterns from the site.**

The nearest downslope surface water is the MacDonald Brook, a tributary of the Passaic River. The facility building is surrounded by paved streets and parking lots. Runoff from this site is collected by municipal storm water drains.

Ref. No. 27.

13. **What is the distance to the nearest downslope surface water? Measure the distance along a course that runoff can be expected to follow.**

MacDonald Brook is located approximately 0.3 miles south of the site.

Ref. No. 27

14. **Define the floodplain that the site is located within.**

The site is located within the 500 year floodplain.

Ref. No. 28

15. **What is the 2-year 24-hour rainfall?**

The 2-year 24-hour rainfall is 3.0 to 3.5 inches.

Ref. No. 29

16. **Identify drinking water intakes in surface water within 15 miles downstream of the site. For each intake, identify the distance from the point of surface water entry, population served, and stream flow at the intake location.**

There are no drinking water intakes in surface waters within 15 miles downstream of the site.

Ref. No. 30

17. **Identify fisheries that exist within 15 miles downstream of the point of surface water entry.**

There are no fisheries in surface waters within 15 miles downstream of the site.

Ref. No. 31

18. Identify sensitive environments that exist within 15 miles of the point of surface water entry. For each sensitive environment, specify the following:

Environment	Water Body Type	Flow (cfs)
Tidal Flats	Estuary	Unknown
MacDonald Brook	Stream	Unknown
Passaic River	River	Unknown

Ref. No. 32

19. If release to surface water is observed or suspected, identify any intakes, fisheries, and sensitive environments from Questions 16-18 that are or may be located within the contamination boundary of the release.

No release to surface waters is observed or suspected.

Ref. No. 1 through 18

SOIL EXPOSURE PATHWAY

20. Determine the number of people that occupy residences or attend school or day care on or within 200 feet of the site.

There is no occupied residence, school, or daycare facility within 200 feet of the site property.

Ref. No. 17

21. Determine the number of people that work on or within 200 feet of the site property.

Bartio Packaging, Inc. employs 55 people. It is not known how may people work in buildings that are adjacent to the facility.

Ref. No. 17

22. Identify terrestrial sensitive environments on or within 200 feet of the site property.

There are no terrestrial sensitive environments within 200 feet of the property.

Ref. No. 17, 27.

AIR ROUTE

23. **Describe the likelihood of release of contaminants to air as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed releases, define the supporting analytical evidence.**

The potential for a release to the air is low. The wastes are predominantly dry and non-volatile solids. They are sotred in closed containers on an impervious layer located in a building. A fire or accident may release wastes into the air. A malfunction of the dust collectors could release dust comprised of agricultural chemicals, including pesticides, into the interior of the building. There have been no reported leaike from the containeres or the dust collection system.

Ref. No. 1 thorugh 18, 23.

24. **Determine the population that resides within 4 miles of the site.**

Distance	Population
0-1/4 mi	1,081
>1/4-1/2 mi	8,557
>1/2-1 mi	24,552
>1-2 mi	82,249
>2-3 mi	122,548
>3-4 mi	161,069

Ref. No. 26

25. **Identify sensitive environments and wetiands acreage within 1/2 mile of the site.**

MacDonald Brook and the Passaic River are located within 1/2 mile of the site.

Ref. No. 27, 31

26. **If a release to the air is observed or suspected, determine the number of people that reside or are suspected to reside within the area of air contamination from the release.**

No release to air was observed or suspected.

Ref. No. 1 tinrough 18

27. **If a release to air is observed or suspected, identify any sensitive environments, listed in question No. 25, that are or may be located within the area of air contamination from the release.**

No release to air was observed or suspected.

Ref. No. 1 through 18

REFERENCE LIST

REFERENCES

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5. Bartlo Packaging, Inc., Treatment, Storage or Disposal Facility Annual Report for 1982, March 14, 1983.

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8. J.S. Bartlo, Bartlo Packaging, Inc., Letter to E.J. Kuhlwein, Bureau of Hazardous Waste Engineering, N.J. Department of Environmental Protection, July 31, 1986.

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17. Site Reconnaissance Field Logbook for Bartlo Packaging, Inc. Site, C.C. Johnson & Malhotra, P.C., July 13, 1992.

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21. J.C. Lennon, C.C. Johnson & Malhotra, P.C., telephone conversation with J. Donadio, Nutiey Public Works Department, August 6, 1992.

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28. Flood Insurance Rate Map for City of Passaic, Passaic County, N.J., Community Panel No. 340403001B, U.S. Department of Housing and Urban Development, September 28, 1979.

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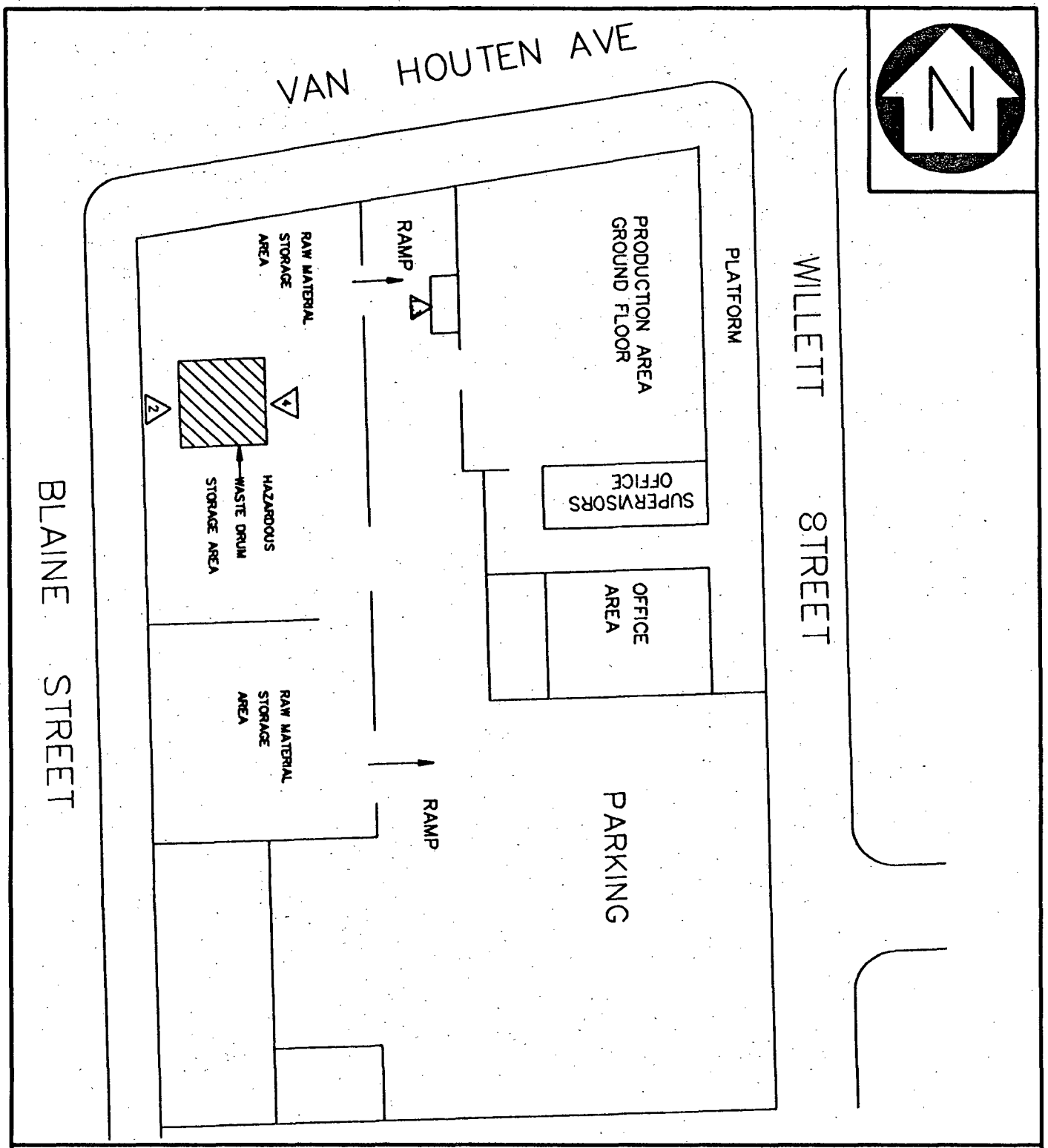
ATTACHMENT A



SCALE NONE

LEGEND

Photograph location △

SITE SKETCH

BARTLO PACKAGING, INC.
PASSAIC, PASSAIC COUNTY, NEW JERSEY

EBASCO ENVIRONMENTAL

FIGURE 2

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BARTLO PACKAGING, INC. PAGE 1 OF 2
U.S. EPA ID: NJD061350179
DATE: JULY 13, 1992
TIME: 13:30

DIRECTION OF PHOTOGRAPH:

South
WEATHER CONDITIONS:

SUNNY, CLEAR SKY, 90 °F

BREEZY
PHOTOGRAPHED BY:

ANTHONY MAHINDA
SAMPLE ID
Photo. No. 1

DESCRIPTION: Dust collectors outside main building.

DATE: JULY 13, 1992
TIME: 13:30

DIRECTION OF PHOTOGRAPH:

N/A
WEATHER CONDITIONS:

SUNNY, CLEAR SKY, 90 °F

BREEZY
PHOTOGRAPHED BY:

ANTHONY MAHINDA
SAMPLE ID
Photo. No. 2

DESCRIPTION: Hazardous waste drums in the building

FIELD PHOTOGRAPHY LOG SHEET

SITE NAME: BARTLO PACKAGING, INC. PAGE 2 OF 2
U.S. EPA ID: NJD061350179
DATE: JULY 13, 1992
TIME: 13:30

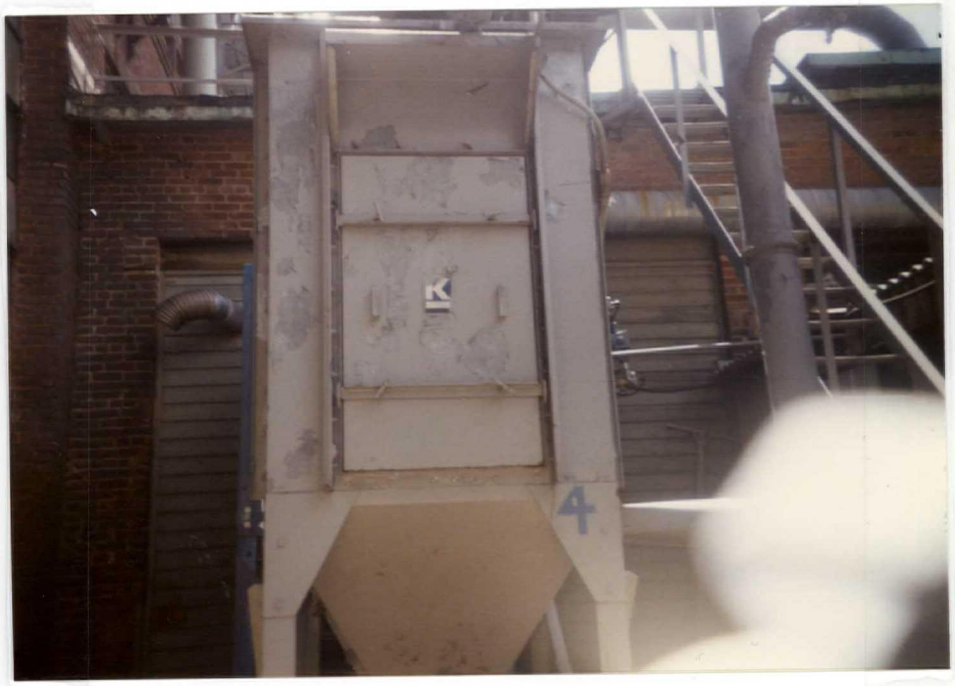
DIRECTION OF PHOTOGRAPH:

SOUTH
WEATHER CONDITIONS:

SUNNY, CLEAR SKY, 90 °F

BREEZY
PHOTOGRAPHED BY:

ANTHONY MAHINDA
SAMPLE ID
Photo. No. 3



DESCRIPTION: Dust collection hopper.

DATE: JULY 13, 1992
TIME: 14:30

DIRECTION OF PHOTOGRAPH:

N/A
WEATHER CONDITIONS:

SUNNY, CLEAR SKY, 90 °F

BREEZY
PHOTOGRAPHED BY:

ANTHONY MAHINDA
SAMPLE ID
Photo. No. 4

DESCRIPTION: Chain around hazardous waste storage area.

REFERENCE - 1

Please print or type with ELITE type (12 characters/inch) in the unshaded areas only.

Form Approved OMB No. 158-S79016
GSA No. 0246-EPA-OT

EPA U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTALLATION'S EPA I.D. NO.

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

III. LOCATION OF INSTALLATION

PLEASE PLACE LABEL IN THIS SPACE

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

DETACH

FOR OFFICIAL USE ONLY

COMMENTS: C

INSTALLATION'S EPA I.D. NUMBER: F NJD 06 135 017 9 T/A: 2 C: 1

APPROVED:

DATE RECEIVED (yr., mo., & day): 8 0 0 8 2 0

I. NAME OF INSTALLATION

BARTLO PACKAGING INC

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX: 61 WILLETT ST.

CITY OR TOWN: PASSAIC

ST.: NJ

ZIP CODE: 07055

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER: 61 WILLETT ST.

CITY OR TOWN: PASSAIC

ST.: NJ

ZIP CODE: 07055

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first; & job title): MULLANEY RONALD VP MFG.

PHONE NO. (area code & no.): 201-778-6900

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER: JOHN BARTLO THOMAS BARTLO

B. TYPE OF OWNERSHIP (enter the appropriate letter into box): M

F = FEDERAL
M = NON-FEDERAL

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

- [ ] A. GENERATION
- [ ] B. TRANSPORTATION (complete item VII)
- [X] C. TREAT/STORE/DISPOSE
- [ ] D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only – enter "X" in the appropriate box(es))

- [ ] A. AIR
- [ ] B. RAIL
- [ ] C. HIGHWAY
- [ ] D. WATER
- [ ] E. OTHER (specify):

VIII. FIRST OR SUBSEQUENT NOTIFICATION

Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA I.D. Number in the space provided below.

- [X] A. FIRST NOTIFICATION
- [ ] B. SUBSEQUENT NOTIFICATION (complete item C)

C. INSTALLATION'S EPA I.D. NO.

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.

I.D. – FOR OFFICIAL USE ONLY

W	N	J	D	0	6	1	3	5	0	1	7	9	2

IX. DESCRIPTION OF HAZARDOUS WASTES *(continued from front)*

A. HAZARDOUS WASTES FROM NON–SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.31 for each listed hazardous waste from non–specific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. HAZAROOUS WASTES FROM SPECIFIC SOURCES. Enter the four–digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industriai sources your installation handles. Usa additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four–digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Usa additional sheets if necessary.

31	32	33	34	35	36
P066	P092				
37	38	39	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four–digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use eddiitonal sheets if neeessary.

49	50	51	52	53	54

E. CHARACTERISTICS OF NON–LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non–listed hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 – 261.24.)*

☐ 1. IGNITABLE (D001) ☐ 2. CORROSIVE (D002) ☐ 3. REACTIVE (D003) ☒ 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE	NAME & OFFICIAL TITLE (type or print)	DATE SIGNED
Ronald F. Mullaney	RONALD F. MULLANEY VICE PRESIDENT MFG.	3/19/80

EPA Form 8700-12 (6-80) REVERSE

RP

REFERENCE - 2

Please print or type in the unshaded areas only (fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No.

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F NJD061350179 3 D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

PLEASE PLACE LABEL IN THIS SPACE

VI. FACILITY LOCATION

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X	
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP BARTLO PACKAGING INC

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)	B. PHONE (area code & no.)
2 MULLANEY RONALD F V.P. MFG.	201 778 6900

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 61 WILLETT ST.

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 PASSAIC	NJ	07055

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 61 WILLETT ST.

B. COUNTY NAME

PASSAIC

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
6 PASSAIC	N.J	07055	

CONTINUED FROM THE FRONT

FORM 3510-1

VII. SIC CODES (4-digit, in order of priority)

A. FIRST: 7 (specify)

B. SECOND: 7 (specify)

C. THIRD: 7 (specify)

D. FOURTH: 7 (specify)

VIII. OPERATOR INFORMATION

A. NAME: BARTLO PACKAGING INC.

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL, M = PUBLIC (other than federal or state), S = STATE, O = OTHER (specify), P = PRIVATE: P (specify)

D. PHONE (area code & no.): A 201 778 6900

E. STREET OR P.O. BOX: 61 WILLETT ST

F. CITY OR TOWN: PASSAIC

G. STATE: NJ

H. ZIP CODE: 07055

IX. INDIAN LAND: Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N

D. PSD (Air Emissions from Proposed Sources): 9 P

B. UIC (Underground Injection of Fluids): 9 U

E. OTHER (specify): 9 (specify)

C. RCRA (Hazardous Wastes): 9 R

F. OTHER (specify): 9 CT31054-55 & 56 (specify) N.J. DUST COLLECTORS

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. F9: N/50

XII. NATURE OF BUSINESS (provide a brief description)

CONTRACT PACKAGING OF INDUSTRIAL CHEMICALS & PESTICIDES (SOLIDS ONLY). BULK MATERIAL IS REPACKAGED INTO SMALLER UNITS.

F9: A/51

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
RONALD F. MULLANEY V.P. MFG.	Ronald F. Mullaney	11/18/80

COMMENTS FOR OFFICIAL USE ONLY

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

Form Approved OMB No. 158-S80004

FORM 3 RCRA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER: F N J D 0 6 1 3 5 0 1 7 9 (T/A) 3 (C) 1

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

[X] 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

[ ] 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

C 8 | YR. 74 | MO. 01 | DAY 01

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

YR. | MO. | DAY

B. REVISED APPLICATION (place an "X" below and complete Item I above)

[ ] 1. FACILITY HAS INTERIM STATUS

[ ] 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.

1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR OR GALLONS PER HOUR OR LITERS PER HOUR
OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided: Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G
LITERS	L
CUBIC YARDS	Y
CUBIC METERS	C
GALLONS PER DAY	U
LITERS PER DAY	V
TONS PER HOUR	D
METRIC TONS PER HOUR	W
GALLONS PER HOUR	E
LITERS PER HOUR	H
ACRE-FEET	A
HECTARE-METER	F
ACRES	B
HECTARES	Q

EXAMPLE FOR COMPLETING ITEM III (shown in lines numbered X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
X-1	S02	600	G	
X-2	T03	20	E	
1	S01	2,000000	G	
2				
3				
4				
5				
6				
7				
8				
9				
10				

(8) C DUP (T/A) (C) I

Continued from the front.

III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:
   For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.
   For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.
   Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) for that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (if no code is not entered in D(1))
X-1	K054	900	P	T03 D80	
X-2	D002	400	P	T03 D80	
X-3	D001	100	P	T03 D80	
X-4	D002				included with above

*ontinued from page 2.
NOTE: Photocopy this page before completing i... ...have more than 26 wastes to list.

Form Approved. OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)															FOR OFFICIAL USE ONLY													
W	N	J	D	0	6	1	3	5	0	1	7	9	3	1	W										3	2		DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES 1. PROCESS CODES (enter)	D. PROCESSES 2. PROCESS DESCRIPTION (If a code is not entered in D(1))
1	P066	3,750000	P	S01	STORED IN 49 FIBER DRUMS & SENT OUT FOR INCINERATION
2	P092	750000	P	S01	STORED IN 16 FIBER DRUMS & SENT OUT FOR INCINERATION
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

F6: A 55

F6: N 56

CPA I.D. NO. (enter from page 1)

													T/A	C
N	J	D	0	6	1	3	5	0	1	7	9		3	6

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)

VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

☐ B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER	2. PHONE NO. (area code & no.)

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE

IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
John S BARTLO	John S Bartlo	11/18/80

X. OPERATOR CERTIFICATIGN

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

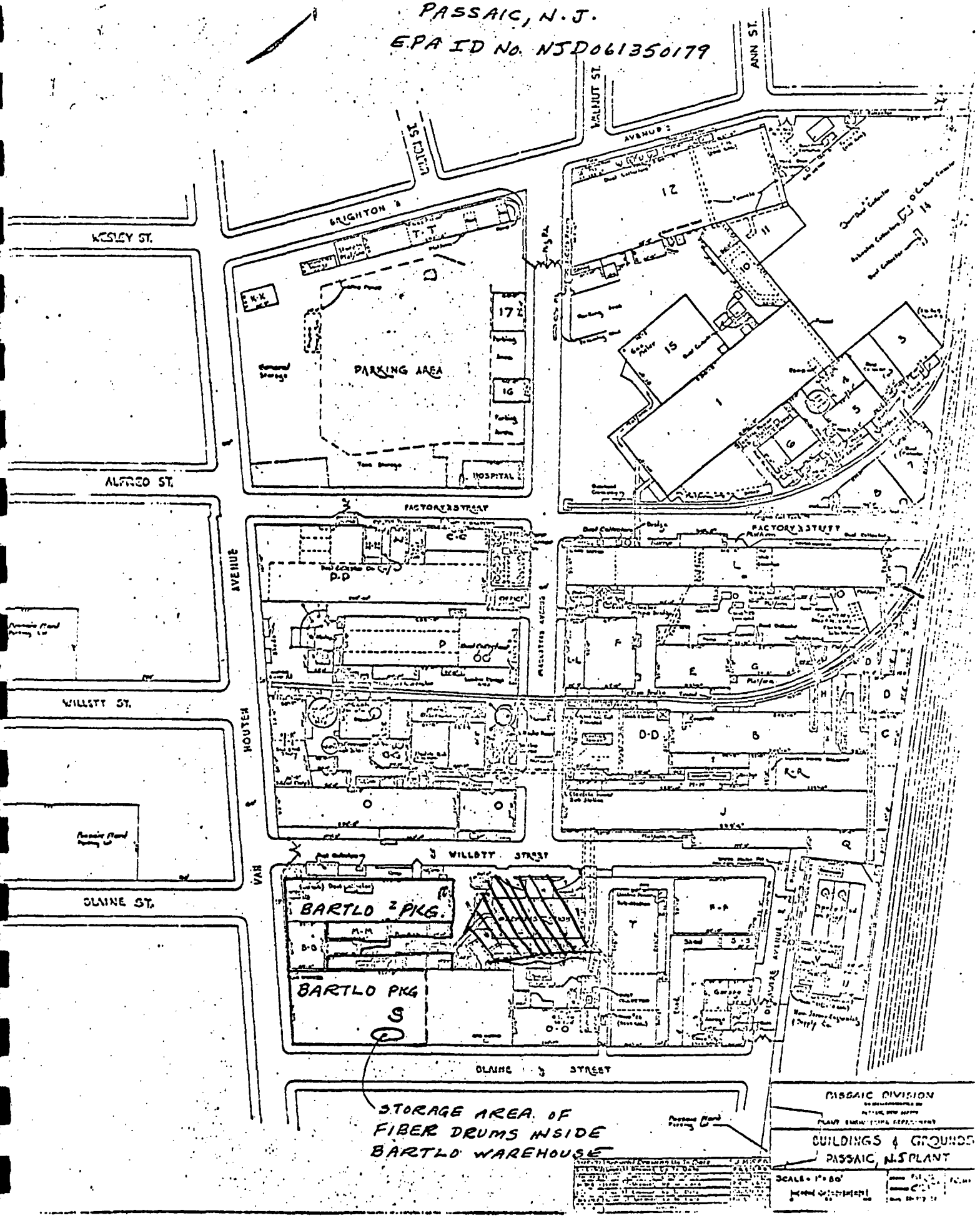
A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
RONALD F. MULLANEY	Ronald F Mullaney	11/18/80

Form Approved OMB No. 158-S80004

V. FACILITY DRAWING *(see page 4)*

DRAWING ATTACHED

UNITED PACKAGING INC.
PASSAIC, N.J.
EPA ID No. NJD061350179



R. F. MULLANEY

REFERENCE - 3

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON
DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

February 16, 1982

BARTLO PACKAGING, INC.
RONALD MULLANEY VP
61 WILLETT ST
PASSAIC, NJ 07055

RE: TSD ANNUAL REPORT

Dear Sir:

As a result of the information included in your company's RCRA Part A submittal to the USEPA, Region II, or New Jersey Part A Hazardous Waste Permit Application, your hazardous waste activities have been classified as a TSD (Treatment, Storage or Disposal) facility. Pursuant to N.J.A.C. 7:26-7.6(f)2, the owner or operator of each TSD facility must prepare and submit two copies of an annual report to the Department by March 1 of each year. Therefore your company is required, by March 1, 1983, to submit a TSD Annual Report, covering the calendar year 1982, for the above-referenced facility. If you need additional time to complete this report, please contact this office as soon as possible.

The minimum requirements for the TSD Annual Report are attached along with instructions on how to complete it. Also enclosed are instructions on how to be delisted from the TSD status. Please note that this report is different and separate from the Generator's Annual Report referred to in N.J.A.C. 7:26-7.4(g).

TSD Annual Reports should be submitted to:

Frank Coolick, Chief
Bureau of Hazardous Waste Engineering
32 East Hanover Street
Trenton, NJ 08625

If you have any questions, please call the Bureau of Hazardous Waste Engineering at (609) 292-9880.

Very truly yours,

Frank Coolick

Frank Coolick, Chief
Bureau of Hazardous Waste Engineering

FC:EK:jb

REFERENCE - 4

APR 18 1983

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Ronald Mallaney
Vice President
Bartlo Packaging
61 Willatt Streat
Pasaalc, NJ 07035

Re: EPA Identification Number: SJD061350179
Facility Lecation: Same
Inspection Datn: Aoguat 17, 1982
10101

Dear Mr. Mallaney:

JH
rmoms
4/20/83

The Environmental Protection Agency (EPA) is charged with the responeibillty for implementing the Reaourca Conservation aad Recovery Act (RCRA) and its sssociated regalations: Title 40 of the Code of Pedaral Regulstions (40 CFR) Parts 122-124, and 260-267.

By notification you inforaud EPA that you coaduct activities involving haaard-oua waste subject to RCEA at the ebove referenced facility. In accordance vlth EPa's reaponsibillty, an Inapeetlon was performed at this facility by a duly authorized represectative of EPA. Thia Inspactioa revealed that the following regulatory vlolatlona existed at tha tlme of the inapeetlon:

¶ 40 CFR §265.13(b) raqulrea that the owner or operator of a hazardous vaste treatoent, storaoe or dianosai facility mnat develop and follow a written waste anaiysia plan. At the time of the Inapeccion, inforaatlon present at yoor facility waa insufficient to meet the reqalraencta of thia section. Tou were therefora in violation of 40 CPR §265.13(b).

¶ 40 CPR §265.112 requires that tha owner or operator of a hazardooa waste facility mnat develop and aalntain at tha facility a written closure plan which describes the steps necessary to cloae all or part of tha facility. At tha tlme of tha inspection, docuaents available were ihsufficient to meet the requiremants of thia section. You were therotoro in violation of 40 CFR §265.112.

¶ 40 CPR §265.142 requiras that tho owner or operator of a hasardous waste facility mnat have at tho facility a written eatimata of the eosts of closing the facility. At the tine of the inspection, documents available were in-sufficient to awet the requirements of this section. You were therefore in violation of 40 CFR §265.142.

It is requested thst, vlthin sixty (60) days of your receipt of this letter, you send a letter to this office outlining the remedial actions taken or to be taken to correct thsse deficieneles. Aleo, you should be aware that thcae violations have reenited in your facility beiag designated as a high priority alto for reinspection during 1983.

Please address response to:

Ernest A. Regna
Chief, Solid Waste Branch
Air and Waste Management Division
U. S. Environmental Protection Agency, Region II
26 Federal Plaza
New York, New York 10278

Also, please send a copy of this confirmation to Chief, Permits Administration Branch, at the same address. You must include your EPA identification number on all correspondence.

Your failure to respond to this letter may cause this matter to be forwarded to our attorneys for further enforcement action.

Should you have questions about this Notice or should you wish to discuss this matter further, please contact Eddy Loole of my staff at (212) 264-1369. A copy of the inspection report is enclosed.

Sincerely yours,

Ernest A. Regna
Chief
Solid Waste Branch

Enclosure

cc: Joseph Rogalski
Assistant Director for Field Operations,
Compliance and Enforcement, Div. of Waste Management, NJDEP, w/o encl.

bcc: Eddy Louis, 2AWM-SW w/encl.
Richard A. Baker, 2PM-PA w/o encl.

RCRA INSPECTION PORM

Report Prepared for:

Generator ☐

Transporter ☐

HWM (TSD) facility ☒

1

Ccpy of report sent to the facility ☐

Facility Information

Name: BARTLO ~~[illegible]~~ Packaging

Address: 41 Wibbett st.

Passaic, N.J.

Passaic County

EPA ID#: NJ 0061350179

Date of Inspection: 8-17-82

Participating Personnel

State cr EPA Personnel: Bob Dante

NJDEP

Facility Personnel: Ronald F Mullaney

Vice President

Report Prepared by Name: Bob Dante

Agency: NJDEP

Telephone #: (609) 984-7874

Approved for the Director by: _____

Summary of Findings

Facility Description and Operations

Facility is a packaging plant for herbicides and pesticides which come in bulk and are then transfered into various size containers. To then be shipped back to the manufacturer for resale. waste would be from spillage on the ground which would contaminates the product if put back in the package.

Describe the activities that result in the generation of hazardous waste.

The facility takes in herbisides and insecticides in bulk they then transfer them into various packages if dust is emitted or a spill occurs the material is vacuumed into a dust collector and treated as hazardous waste

Identify the hazardous waste located on site, and estimate the approximate quantities of each. (Identify Waste Codes)

All powders

100 - 55 gallon drums herbicide dust

106- fiber packs 30 gallons and 42 gallon drums insecticides

Is there reason to believe that the facility has hazardous waste on-site?

a. If yes, what leads you to believe it is hazardous waste? Check appropriate boxes:

☑ Company admits that its waste is hazardous during the inspection.

☑ Company admitted the waste is hazardous in its RCRA notification and/or Part A Permit Application.

☐ The waste material is listed in the regulations as a hazardous waste from a nonspecific source (§261.31)

☑ The waste material is listed in the regulations as a hazardous waste from a specific source (§261.32)

☑ The material or product is listed in the regulations as a discarded commercial chemical product (§261.33)

☑ Testing has shown characteristics of ignitability, corrosivity, reactivity or extraction procedure toxicity, or has revealed hazardous constituents (please attach analysis report)

☐ Company is unsure but there is reason to believe that waste materials are hazardous. (Explain)

HAZARDOUS WASTE MANAGEMENT FACILITY CHECK LIST
(Facilities Subject to 40 CFR 263 Standards)

	YES	NO	N/A
40 CFR Part 265 Subpart B General Facility Standards			
265.13-General Waste Analysis			
1) Is there a detailed chemical and physical analysis of a representative sample of the waste or each waste? (At a minimum this analysis must contain all the information necessary for proper management of the waste)	✓		
2) Does the character of the wastes handled at the facility change from day to day, week to week, etc., thus requiring frequent testing? You may check only one			
Waste characteristics vary			
All waste are basically the same	✓		
Company treats all wastes as hazardous			
3) Is there a written waste analysis plan at the facility?		N/A	
Does it contain the following:			
a) Parameters for each waste to be analyzed and the rationale for the selection of these parameters.	✓		
b) Test methods used to test these parameters.	✓		
c) Sampling methods to obtain a representative sample of the waste to be analyzed.			
d) Frequency of reviewed analysis to ensure accurate and current information.			
4) Does hazardous waste come to this facility from an outside source? e.g. another generator.		✓	
5) If waste comes from an outside source, are there procedures in the plan to insure that waste received conforms to the accompanying manifest?			✓
265.14-Security			
1) Is there: a) a 24-hour surveillance system? or,			
b) a suitable barrier which completely surrounds the active portion of this facility?	✓		
2) Are there "Danger-Unauthorized Personnel Keep Out" signs posted at each entrance to the facility?	✓		
If no, explain what measures are taken for security.			
265.15 - General Inspections Requirements			
1) Does the facility have a written inspection schedule?	✓		
2) Does the schedule identify the types of problems to be looked for and the frequency of inspections?		✓	
3) Does the owner/operator record inspections in a log?	✓		
4) Is there evidence that problems reported in the inspection log have been remedied?			✓
If no, please explain.			

265.16 - Personnel Training	YES	NO	N/A
1) Have facility personnel successfully completed a program of classroom instruction or on-the-job training within 6 months of having been employed?	✓		
If yes, have facility personnel taken part in an annual review of training?	✓		
2) Is there written documentation of the following:			
—job title for each position at the facility related to hazardous waste management and the name of the employee filling each job?	✓		
—type and amount of training to be given to personnel in jobs related to hazardous waste management?	✓		
—actual training or experience received by personnel?	✓		
3) Are training records kept on all employees for at least 3 years?	✓		

265.17-General Requirements for Ignitable, Reactive or Incompatible Wastes			
1) Are there ignitable, reactive or incompatible waste on site?			✓
If yes, what are the approximate types and quantities and location of the waste.			
2) Have precautions been taken to prevent accidental ignition or reaction of ignitable or reactive waste?			
If no, please explain.			
3) In your opinion, are proper precautions taken so that these wastes do not:			
— generate extreme heat or pressure, fire or explosion, or violent reaction?			
— produce uncontrolled toxic mist, fumes, dusts or gases in sufficient quantities to pose a risk of fire or explosions?			
— damage the structural integrity of the device or facility containing the waste?			
— threaten human health or the environment?			

40 CFR 265 - Subpart C - Preparedness and Praventien	YES	NO	N/A
265.32 Does the facility comply with preparedness and prevention requirements including maintaining:			
— an internal oaurunicaticna or alarm system?	✓		
— a telephcne or other device to summa: emergency assistance fron local authorities?	✓		
— portable fire equipnent?	✓		
— water at adequate volune and pressure to supply watsr hose streams, foam producing equipment, etc.	✓		
265.33 la equipment tested and naintained?	✓		
265.34 Is there ianediata access to ccrmunications or alarm systems during handling of hazardous wasts?	✓		
265.35 Adequate aisle space?	✓		
If no, please explain storage pattern.			
In your opinion, do the types of wasts co-site require all of the above procedures, or ars soma not needed: Explain. They have all of the above	✓		

40 CFR 265 - Subpart D - Cantingrncy Plan and Emerceney Procadures			
Does the facility have a written contingency plan for emergency prccadures desigrad to deal with fires, explosions or any unplannad release of hazardous wasts?	✓		
1) Does the plan describe arracgesents nade with ths local authorities?	✓		
2) Has the contingency plan been submittsd to the local authorities?	✓		
3) Daea the plan list names, addresses and phone numbers of Elnergency Coordinators?	✓		
4) Does the plan have a list of what ansrgency equipnent is available?	✓		
5) Is there a provision for evacuating facility personnel?	✓		
6) Was there an emergency rnnniinatnr present or on call at the time of the inspection?	✓		

40 CFR 265 Subpart S-Manifast System, Recordkeeping and Reporting			
265.71 - Use of the Manifest			
1) Haa the facility received hazardous waste from an off-site source since Navanber 19, 19807			✓
If no, skip to 265.73 - Operating Record			
2) If yes, does it appear that the farility has a copy of a nanifest fbr each hazardous wasts load received?			
If not, please explain.			

	YES	NO	N/A
2) How many post-November 19 manifests does the facility have? (Estimate if the number is large)			
4) Does each manifest have the following information? (circle missing information)			
— a manifest document number?			✓
— the generators name, mailing address, telephone number and EPA I.D. #?			
— the transporters name and EPA I.D. Number?			
— the TSD name, address. telephone number & EPA I.D. Number?			
— a description of the waste (DOT)?			
— the total quantity of each hazardous waste by units of weight or volume, and the type and number of containers as loaded into or onto the transport vehicle?			
— a certification that the materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation under regulations of the DOT and EPA?			
(Obtain a copy of the incomplete manifests)			

265.72 - Manifest Discrepancies

Have there been significant discrepancies between the quantity and type of waste received and the waste identified on the manifest?			✓
Describe unreconciled descrepancies.			

265.73 - Operating Record

1) Does the facility keep an operating record?	✓		
2) Does the record contain the following information:			
a) Description and quantity of waste on-site and the method(s) and date(s) of its Treatments, Storage & Disposal?	✓		
b) The location and quantity of each hazardous waste at each location?	✓		
c) Records and results of waste analysis and trial tests performed and identified in the waste analysis plan?	✓		
d) Summary reports and details of all incidents that require implementing the contingency plan.			
e) Records and results of inspections for the past 3 years are November 19, 1980 which ever is less?	✓		
f) Monitoring, testing or analytical data where required for:	✓		
Groundwater, Land Treatment, Incinerators, and Thermal Treatment?			

265.76 - Unmanifested Waste Report

Has the facility accepted hazardous waste from off-site sources without a manifest?			✓
If yes, has the facility submitted an unmanifested waste report?			

	YES	NO	N/A
40 CFR 265 Subpart F - Groundwater Monitoring			
(Applies only to surface impoundments, landfills and/or land treatment facilities.)			
Is a groundwater monitoring plan available at the facility?			✓
If yes, please fill out the appropriate Groundwater Monitoring Questionnaire and attach to this report.			
40 CFR 265 Subpart G - Closure and Post-Closure			
265.111 Closure Performance Standard			
Have any portions of the facility been closed since November 19, 1980?		✓	
If yes, please explain			
265.112 - Closure Plan			
Does the facility have a written closure plan? (Applies to all types of TSD facilities)		✓	
If yes, does the written plan include:			
1. A description of how and when the facility will be partially (if applicable) and ultimately closed?			
2. An estimate of the maximum inventory of wastes in storage or treatment at any time during the life of the facility?			
3. A description of the steps necessary to decontaminate facility equipment during closure?			
4. A schedule for final closure including the anticipated date when waste will no longer be received and when final closure will be completed?			
5. Does the owner/operator have a written estimate of of the cost of closing the facility? Not written		✓	
If yes, what is it? (5) $9,000			
265.118 - Past Closure Plan			
Does the facility have a written post-closure plan? (Applies only to disposal facilities)			✓
If yes. Does the Plan:			
1. Identify the activities which will be carried on after closure and the frequency of these activities?			
2. Include a description of planned groundwater monitoring activities and their frequency during post-closure?			
3. Include a description of planned maintenance activities and frequency to insure integrity of final cover during post-closure?			
4. Include the name, address and phone number of a person or office to contact during post-closure?			
5. Does the owner/operator have a written estimate of the cost of post-closure for the facility?			
If yes, what is it? ($)			

Please circle all appropriate activities and answer questions on indicated pages for all activities circled.

Storage	Treatment	Disposal
(Container - pg 6)	Tank - pg 7	Landfill - pg 11
Tank, above ground-pg 7	Surface Impoundment-pg 8	Land Treatment - pg 10
Tank, below ground-pg 7	Incineration - pg 12	Surface Impoundments - pg 8
Surface Impoundments-pg 8	Thermal Treatment- pg 12	Other_____
Waste Piles - pg 9	Land Treatment - pg 10	
Other_____	Chemical, Physical and Biological Treatment - pg 13	
	Other_____	

	YES	NO	N/A

40 CFR 265 - Subpart I - Containers

1) - What type of containers are used for storage. Describe the size, type, quantity and nature of waste (e.g. 12 fifty-five gallon drums of waste acetone)
106 fiber packs 42 gallon and 30 gallon
100 55 gallon steel drums

2) - Is there a containment system for spills, leaks and precipitation? ✓

If yes, describe. concrete pads

265.171 - Do the containers appear to be in good condition, not in danger of leaking? ✓

If not, please describe the type, condition and number of leaking or corroded containers. Be detailed and specific.

265.172 - Are hazardous wastes stored in containers made of compatible materials? ✓

If not, please explain.

265.173(a) - Are all containers closed except those in use? ✓

265.173(b) - Do containers appear to be properly opened, handled or stored in a manner which will minimize the risk of the container rupturing or leaking? ✓

265.174 - Is the storage area inspected at least weekly? ✓

265.176 - Are containers holding ignitable and reactive waste located at least 50 feet (15 meters) away from the facility's property line? N/A

265.177 - Are incompatible wastes stored separate from each other? ✓

If no, explain

REFERENCE - 5

Bartlo Packaging Inc.

PACKAGING · ENGINEERING · MACHINERY · SERVICES
61 WILLETT STREET — PASSAIC, N.J. 07055
Telephone: (201) 778-6900

MARCH 14, 1983

MR. FRANK COOLICK, CHIEF
BUREAU OF HAZARDOUS WASTE ENGINEERING
32 EAST HANOVER STREET
TRENTON, NEW JERSEY 08625

DEAR MR. COOLICK:

PURSUANT TO N.J.A.C. 7:26-7.6 (F) WE RESPECTFULLY SUBMIT OUR ANNUAL TSD REPORT AS FOLLOWS:

1. FACILITY IS BARTLO PACKAGING INC., 61 WILLETT STREET, PASSAIC, NEW JERSEY 07055 - EPA ID NO. NJD061350179.

2. THE CALENDAR YEAR COVERED BY THIS REPORT - JAN. 1, THUR DEC. 31, 1982.

3. NO ANALYSES ARE PERFORMED ON WASTES COLLECTED AT OUR FACILITY.

4. NO INCIDENTS OCCURRED DURING 1982 THAT WOULD REQUIRE IMPLEMENTING THE CONTINGENCY PLAN REQUIRED BY N.J.A.C. 7:26-9.7.

5. SOLID WASTE IS COLLECTED FROM BAGHOUSE COLLECTORS TWICE A WEEK, WEIGHED AND RECORDED BY CATEGORY IN OUR LOG BOOK. THE ACCUMULATED WASTE AND WASTE STORAGE AREA IS VISUALLY INSPECTED DAILY.

6. NO WASTES HAZARDOUS OR NON-HAZARDOUS ARE ACCEPTED FROM OUTSIDE SOURCES.

7. OUR FACILITY GENERATES ONLY SOLID WASTES AND DOES NOT GENERATE, DISCHARGE, INJECT, ACCEPT OR STORE LIQUID WASTES.

8. OUR MOST RECENT CLOSURE COST ESTIMATE IS $8,000.00 AND A POST-CLOSURE COST ESTIMATE IS NOT APPLICABLE.

9. REFERENCE APPENDED TRACKING SHEET "B".

10. REFERENCE APPENDED LIST OF WASTE TYPES AND AMOUNTS.

11. "I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS THAT BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THAT THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES UNDER N.J.S.A. 7:1E-1 ET SEQ. FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT."

VERY TRULY YOURS,

Ronald F. Mullaney

RONALD F. MULLANEY
VICE PRESIDENT
BARTLO PACKAGING INC.

RFM/JS
ATT

WASTE MANAGEMENT

COLLECTION DATE	D.C.#	NET WT.	PRODUCT	DOT 17H DRUM #
8/26 → 9/7/82	3	181#	PMA	# 1
9/7 → 10/20/82	3	157#	PMA	# 1
10/14 → 10/28/82	3	120#	PMA	# 1
10/14 → 11/1/82	3	122#	PMA	# 2
10/12 → 12/6/82	2	80#	NAT. PAK	# 3
10/28/82	3	111#	PMA	# 2
11/1 → 11/15/82	3	107#	PMA	# 2
11/15 → 12/6/82	3	76#	PMA	# 2
1/10 → 2/7/83	2	94#	LANNATE	# 3
2/8 → 3/3/83	2	107#	LANNATE	# 3

BARTLO PACKAGING, INC.
61 WILLETT STREET
PASSAIC, N. J. 07055

HAZARDOUS WASTE TRACKING SHEET

FOR FACILITIES THAT GENERATE TREAT OR STORE HAZARDOUS WASTE

DATE	HAZARDOUS WASTE ID #	QUANTITY	UNITS	METHOD OF TSD	LOCATION WITHIN FACILITY	OUTGOING MANIFEST # (IF APPLICABLE)	DESCRIPTION OF WASTE	DATE WASTE SHIPPED OFF-SITE
3/14/83	P066	4157	P	S01	AREA 1	NJ. 0123955	CARBAMATE PESTICIDE SOLID, N.O.S. (METHOMYL) POISON B	8/23/82
3/14/83	P092	3528	P	S01	AREA 1	NJ. 0123955	MERCURY BASED PESTICIDE SOLID, N.O.S. (PHENYL MERCURIC ACETATE)	8/23/82
3/14/83	P092	1943	P	S01	AREA 1	NJ. 0123956	SAME AS ABOVE	8/24/82
3/14/83	U192	1782	P	S01	AREA 1	NJ. 0123956	HAZARDOUS WASTE ORM-E (PRONAMIDE)	8/24/82
3/14/83	U192	2260	P	S01	AREA 1	NJ. 0123954	SAME AS ABOVE	9/24/82

REFERENCE - 6

Bartlo Packaging Inc.

PACKAGING · ENGINEERING · MACHINERY · SERVICES

61 WILLETT STREET — PASSAIC, N. J. 07055

Telephone: (201) 778-6900

August 10, 1984

Mr. David J. Shotwell
Chief, Bureau of Compliance & Enforcement
State of New Jersey DEP
Division of Waste Management
120 Rt. 156
Yardville, New Jersey 08620

Dear Mr. Shotwell:

In regard to your letter dated July 10, 1984, regarding our 1983 TSD Facility Annual Report, please find same enclosed.

If you should have any questions concerning this report you can reach me at (201) 778-6900.

Very truly yours,

Ronald F. Mullaney, Vice President
BARTLO PACKAGING INC.

RFM/js
Enc.

NEW JERSEY DEPA.. .ENT OF ENVIRONMENTAL PROTECTIG
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART I

1. CALENDAR YEAR COVERED JAN 1 - DEC. 31, 1983

2. FACILITY'S NAME BARTLO PACKAGING INC.

3. EPA ID NO. NJD061350179

4. MAILING ADDRESS 61 WILLETT ST.
PASSAIC, N.J. 07055

5. STREET ADDRESS OF FACILITY 61 WILLETT ST.

6. FACILITY CONTACT RONALD F. MULLANEY PHONE NUMBER (201) 778-6900

7. CLOSURE COST ESTIMATE $ 8,000

8. POST-CLOSURE COST ESTIMATE (if applicable) $ NOT APPLICABLE

9. CERTIFICATION STATEMENT

"I certify under panalty of law that I have personally examined and am familar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties under N.J.S.A. 13:1E-1 et seq. for submitting false information, including the possibility of fine and imprisonment".

RONALD F. MULLANEY — Print or Type Name
Ronald F. Mullaney — Signature
8/3/84 — Date

10. In addition to the information required above and that required in Part II of this report, please submit the following required items: (where applicable)

A. A copy of the facility's typical waste analysis form.
B. A copy of the facility's typical daily inspection form.
C. A copy of the typical notice to a generator, required under N.J.A.C. 7:26-9.4(a)1 and a listing of all generators who received this notice (only for commercial facilities).
D. A listing of all waste shipments rejected, according to manifest number and an explanation for each rejected shipment (only for commercial facilities).
E. A listing of all manifest discrepancies and an explanation of each discrepancy (only for commercial facilities).
F. A listing of the total quantity of each waste type treated, stored, or disposed of at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
G. A listing of the total quantities of each waste type consigned to each treatment, storage, or disposal process used at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
H. A report covering all incidents that required implementing the contingency plan.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART II

11. FACILITY EPA ID # NJD061350179

12. GENERATOR NAME BARTLO PACKAGING INC.

13. GENERATOR ADDRESS 61 WILLETT ST.
PASSAIC, N.J. 07055

14. GENERATOR EPA ID #

15. WASTE IDENTIFICATION

LINE NUMBER	a) DESCRIPTION OF WASTE	b) NJDEP HAZARDOUS WASTE NUMBER	c) HANDLING METHOD	d) AMOUNT OF WASTE	e) UNITS
	HAZARDOUS WASTE NOS ORM-E	U192	S01	4,697	P
	AGRICULTURAL INSECTICIDE OR FUNGICIDE NOIBN O/T LIQUID	—	S01	2,911	P
	MERCURY BASED PESTICIDE SOLID NOS PHENYLMECURIC ACETATE	P092	S01	1,533	P
	CARBAMATE PESTICIDE SOLID, NOS (METHOMYL)	P066	S01	4,645	P

[redacted]AZ[redacted]DO[redacted]WA[redacted]E[redacted]

DAILY INSPECTION FORM

DATE _____

DAY	ARE WASTE DRUMS STACKED & STORED SAFELY? Y-N	DO ANY DRUMS SHOW SIGNS OF CORROSION OR LEAKING? Y-N.	ARE ANY WASTE DRUMS STORED IN ANY AREA OTHER THAN SECTION 3B OR 3C? Y-N	ARE ALL DRUMS IN SECTIONS 3B OR 3C IDENTIFIED? Y-N	HAVE ANY VIOLATIONS BEEN REPORTED TO A SUPVR? HAVE VIOLATIONS BEEN CORRECTED? Y-N	DAY
1						1
2						2
3						3
4						4
5						5
6						6
7						7
8						8
9						9
10						10
11						11
12						12
13						13
14						14
15						15
16						16
17						17
18						18
19						19
20						20
21						21
22						22
23						23
24						24
25						25
26						26
27						27
28						28
29						29
30						30
31						31

NOTES: HAZARDOUS WASTE WILL BE STORED IN SECTIONS 3B & 3C OF "S" BLDG.

3. WASTE ANALYSIS PLAN

3.1 This plan is applicable to hazardous waste only.

3.2 Safety procedures listed in part 1 of this manual shall be observed when taking samples of hazardous materials.

3.3. All samples are to be taken under the direct supervision of a manager.

3.4 Samples shall be taken in accordance with ASTM Standard D 346-75 and the protocol established with the managers of the dump site.

3.5 The samples are to be combined, riffled and split according to established protocol with one half sent to the disposal site prior to disposal and the remaining half retained at this facility.

3.6 Analysis of the waste accumulated at this facility is based on the parameters of historical data, previous experience, color, odor and texture.

3.7 The rationale for citing the parameters in part 2.6 is based on 1.) a separate dedicated dust collection is used for each hazardous waste, 2.) the operation entails only repackaging of hazardous products and does not cause chemical or physical change 3.) the waste characteristics do not vary.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART I

1. CALENDAR YEAR COVERED _____

2. FACILITY'S NAME _____

3. EPA ID NO. _____

4. MAILING ADDRESS _____

5. STREET ADDRESS OF FACILITY _____

6. FACILITY CONTACT _____ PHONE NUMBER _____

7. CLOSURE COST ESTIMATE $ _____

8. POST-CLOSURE COST ESTIMATE (if applicable) $ _____

9. CERTIFICATION STATEMENT

"I certify under panalty of law that I have personally examined and am familar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties under N.J.S.A. 13:1E-1 et seq. for submitting false information, including the possibility of fine and imprisonment".

_____ _____ 3/3/84
Print or Type Name Signature Date

10. In addition to the information required above and that required in Part II of this report, please submit the following required items: (where applicable)

A. A copy of the facility's typical waste analysis form.
B. A copy of the facility's typical daily inspection form.
C. A copy of the typical notice to a generator, required under N.J.A.C. 7:26-9.4(a)1 and a listing of all generators who received this notice (only for commercial facilities).
D. A listing of all waste shipments rejected, according to manifest number and an explanation for each rejected shipment (only for commercial facilities).
E. A listing of all manifest discrepancies and an explanation of each discrepancy (only for commercial facilities).
F. A listing of the total quantity of each waste type treated, stored, or disposed of at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
G. A listing of the total quantities of each waste type consigned to each treatment, storage, or disposal process used at the facility. This listing shall include all hazardous waste accepted at the hazardous waste facility, including all on-site generated hazardous waste.
H. A report covering all incidents that required implementing the contingency plan.

BARTLO PACKAGING INC.

3. WASTE ANALYSIS PLAN

3.1 This plan is applicable to hazardous waste only.

3.2 Safety procedures listed in part 1 of this manual shall be observed when taking samples of hazardous materials.

3.3. All samples are to be taken under the direct supervision of a manager.

3.4 Samples shall be taken in accordance with ASTM Standard D 346-75 and the protocol established with the managers of the dump site.

3.5 The samples are to be combined, riffled and split according to established protocol with one half sent to the disposal site prior to disposal and the remaining half retained at this facility.

3.6 Analysis of the waste accumulated at this facility is based on the parameters of historical data, previous experience, color, odor and texture.

3.7 The rationale for citing the parameters in part 2.6 is based on 1.) a separate dedicated dust collection is used for each hazardous waste, 2.) the operation entails only repackaging of hazardous products and does not cause chemical or physical change 3.) the waste characteristics do not vary.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
HAZARDOUS WASTE FACILITY ANNUAL REPORT - PART II

11. FACILITY EPA ID # ______________________

12. GENERATOR NAME ______________________

13. GENERATOR ADDRESS ______________________

14. GENERATOR EPA ID # ______________________

15. WASTE IDENTIFICATION

LINE NUMBER	a) DESCRIPTION OF WASTE	b) NJDEP HAZARDOUS WASTE NUMBER	c) HANDLING METHOD	d) AMOUNT OF WASTE	e) UNITS
	HAZARDOUS WASTE [illegible]	[illegible]	[illegible]1	4,[illegible]	P
	AGRICULTURAL [illegible] [illegible] [illegible]	[illegible]	[illegible]	[illegible]	P
	MERCURY [illegible] SOLID NOS [illegible] [illegible]	P09[illegible]	[illegible]	[illegible]	P
	[illegible] NOS (METHOMYL)	P[illegible]	[illegible]1	[illegible]45	P

HAZARDOUS WASTE

DAILY INSPECTION FORM

DATE _____

DAY	ARE WASTE DRUMS STACKED & STORED SAFELY? Y - N	DO ANY DRUMS SHOW SIGNS OF CORROSION OR LEAKING? Y - N.	ARE ANY WASTE DRUMS STORED IN ANY AREA OTHER THAN SECTION 3B OR 3C? Y - N.	ARE ALL DRUMS IN SECTIONS 3B OR 3C IDENTIFIED? Y - N	HAVE ANY VIOLATIONS BEEN REPORTED TO A SUPVR? HAVE VIOLATIONS BEEN CORRECTED? Y - N	
						1
						2
						3
						4
						5
						6
						7
						8
						9
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						30
						31

NOTES: HAZARDOUS WASTE WILL BE STORED IN SECTIONS 3B & 3C OF "S" BLDG.

REFERENCE - 7

1/13/86

CLOSURE PLAN

&

CLOSURE COST ESTIMATE

SCHEDULE A

THIS CLOSURE PLAN AND CLOSURE COST ESTIMATE WAS PREPARED ACCORDING TO PART 265 OF THE FEDERAL HAZARDOUS WASTE REGULATIONS - INTERIM STATUS STANDARDS FOR OWNERS AND OPERATORS OF HAZARDOUS WASTER TREATMENT, STORAGE AND DISPOSAL FACILITIES.

AT THE PRESENT TIME BARTLO PACKAGING INC. IS OPERATING AS A CONTRACT PACKAGING FACILITY. WE DO NOT MANUFACTURE, PACKAGE OR SELL PROPRIETORY PRODUCTS OF ANY KIND. BASICALLY WE RECEIVE BULK PRODUCT (SOME OF WHICH ARE HAZARDOUS OR TOXIC SUCH AS INSECTICIDES, PESTICIDES, ETC.) IN POWDER OR GRANULAR FORM FROM OUR CUSTOMERS IN 100 UP TO 250 LB. DRUMS AND REPACKAGE SAME INTO UNIT CHARGES VARYING FROM 4 GRAM TO 2½ LB. BAGS. THE HAZARDOUS WASTE IN STORAGE IS THE WASTE GENERATED AT THE SITE. IT REMAINS IN STORAGE UNTIL IT IS REMOVED FROM THE SITE DISPOSAL. AT NO TIME IS HAZARDOUS WASTE TRANSPORTED IN FROM OTHER PLANTS OR FACILITIES.

THIS CLOSURE PLAN ADDRESSES TWO BASIC AREAS. CLOSURE AND DISPOSAL OF HAZARDOUS WASTE IN STORAGE ANO GENERAL CLOSURE, DECONTAMINATION OF ALL PRODUCTION AREAS. MOST OF THE DECONTAMINATION OF BOTH THE STORAGE AND PRODUCTION AREAS AND EQUIPMENT WILL BE CONDUCTED BY BARTLO PACKAGING EMPLOYEES. OUTSIDE CONTRACTORS WILL BE UTILIZED FOR AREAS REQUIRING HYDRO CLEANING, SANDBLASTING, REMOVAL OF CONTAMINATED WASTE, AND PROFESSIONAL ENGINEER'S CERTIFICATION. THE CLOSURE COST ESTIMATE, THEREFORE, IS BASED UPON A COMBINATION OF BARTLO PACKAGING LABOR COST, CONTRACTOR QUOTES, AND CURRENT HAZARDOUS WASTE DISPOSAL COST.

CLOSURE PLAN OUTLINE

EPA I.D. NO.	NJD061350179
OWNERS/OPERATORS NAME ADDRESS	BARTLO PACKAGING INC. 61 WILLETT STREET PASSAIC, N.J. 07055
TEL. NO.	(201) 778-6900
FACILITY ADDRESS	SAME AS ABOVE

A. GENERAL INFORMATION

1. FACILITY SIZE 60,000 SQ. FT.
   A. SIZE OF PRODUCTION AREAS 4280 SQ. FT.
      (AREA THAT GENERATES HAZARDOUS WASTE)
   B. SIZE OF STORAGE AREA 1000 SQ. FT.
      (AREA THAT HAZARDOUZ WASTE IS STORED)
2. STORAGE FACILITY
   A. TYPE OF STORAGE
      1. CONTAINER DRUMS
      2. CAPACITY - SEE FACILITY CONDITIONS
3. WASTE CHARACTERIZATION (TO BE FILLED OUT FOR EACH TYPE OF WASTE, ADDRESSING ALL WASTE IN INVENTORY; INCLUDING RESIDUE GENERATED BY NORMAL PROCESSING OF THE WASTE BEFORE OR DURING CLOSURE).

FACILITY CONDITIONS

A. BARTLO PACKAGING LEASES A TOTAL OF 60,000 SQ. FT. OF SPACE IN AN INDUSTRIAL COMPLEX.
   1. BLDG. "Z" 20,000 SQ. FT., 1 STORY BRICK, POURED CONCRETE FLOORS, NO BASEMENT, FULLY SPRINKLED, TRUCK LOADING DOCK.

2. BLDG. "S", 16,000 SQ. FT. GROUND FLOOR. BLDG. "S" IS A FOUR STORY BRICK BUILDING (APPROXIMATELY 160,000 SQ. FT.) POURED CONCRETE FLOORS, FULLY SPRINKLED. THE "Z" BUILDING AND "S" BUILDING HAVE AN INTER-CONNECTING PASSAGE WAY ON THE GROUND FLOOR USED EXCLUSIVELY BY BARTLO PACKAGING INC.
3. BLDG. "S" , 25,000 SQ. FT. ON 3RD FLOOR SERVICED BY TWO FREIGHT ELEVATORS, POURED CONCRETE FLOORS, FULLY SPRINKLED.
4. EXCEPT FOR THE BAG HOUSE DUST COLLECTORS LOCATED ON THE PAVED CONCRETE ALLEY BETWEEN THE "Z" AND "S" BUILDINGS BARTLO HAS NO OUTDOOR YARD SPACE - AND NEVER STORES OR PROCESSES CONTAMINATED MATERIALS IN THE OPEN.

OPERATION WHICH GENERATE HAZARDOUS WASTE

A. BULK MATERIAL RECEIVED IN DRUMS FOR REPACKAGING IS EMPTIED INTO A SPECIALLY DESIGNED NEGATIVE PRESSURE HOPPER, (HOPPER CAPACITY APPROXIMATELY 5 CU. FT.) MOUNTED OVER THE AUTOMATIC POUCH FORM, FILL, SEAL MACHINE. THE PRODUCT IS METERED VIA AN AUGER TO THE SPECIFIED WEIGHT INTO THE FORMING TUBE OF THE POUCH MACHINE. THE BAG IS SIMULTANEOUSLY FORMED, FILLED, SEALED AND CUT OFF. THIS OPERATION IS A CLOSED SYSTEM, ALL CRITICAL AREAS ARE EXHAUSTED AND VENTED VIA BAG HOUSE DUST COLLECTORS.

THE HAZARDOUS WASTE GENERATED IN OUR FACILITIES COMPRISE OF:

1. THE CONTAMINATED POLY BAG LINERS FROM THE ORIGINAL BULK SHIPPING DRUMS.
2. TAILINGS FROM THE DUST COLLECTORS.
3. EMPTY CONTAMINATED POUCHES WHICH WERE REJECTED DUE TO QUALITY CONTROL INSPECTION.

4. TAILINGS, CONTAMINATED RAGS, GLOVES, DISPOSABLE UNIFORMS, ETC. RESULTING FROM PERIODIC SYSTEM CLEAMOUTS.
5. ALL OF THE ABOVE CONTAMINATED MATERIALS ARE DEPOSITED INTO METAL DOT APPROVED HAZARDOUS WASTE DRUMS, PROPERLY MARKED AND IDENTIFIED FOR LATER REMOVABLE TO AN EPA APPROVED HAZARDOUS LAND FILL WASTE SITE.
6. BARTLO PACKAGING DOES NOT HAVE ANY BULK STORAGE TANKS OR BINS OF ANY KINO INDOORS OR OUTDOORS.

PLANT AREAS WHICH WILL REQUIRE DECONTAMINATION WHEN THE PLANT IS CLOSED DOWN

1. BLDG. "Z" PACKAGING ROOM, 1400 SQ. FT., CONTAINS (7) SEVEN AUTOMATIC POUCH MAKING MACHINES, PART CEMENT PART WOOD BLOCK FLOOR, OUTSIDE WALLS ARE BRICK, INSIDE PARTITIONS ARE WALL BOARD.
2. BLDG. "Z" MEZZANINE ABOVE PACKAGING ROOM, 1400 SQ. FT.
   A. CONSTRUCTION, OUTSIDE WALLS BRICK, FLOORS ARE WOOD WITH HEAVY DUTY INDUSTRIAL LINOLEUM COVERING, STEEL "I" BEAM COLUMN AND JOIST SUPPORTS.
   B. THE MEZZANINE CONTAINS THE NEGATIVE PRESSURE DUMP HOPPERS WHICH FEED THE PACKAGING MACHINES ON THE FLOOR BELOW.
3. BLDG. "S" PACKAGING ROOM, 880 SQ. FT. GROUND FLOOR CONTAINS (2) AUTOMATIC POUCH MAKING MACHINE, POURED CONCRETE FLOORS, ALL BRICK WALLS, INSIDE PARTITIONS ARE WALL BOARD.
4. BLDG. "S" MEZZANINE ABOVE PACKAGING ROOM, 600 SQ. FT. BRICK WALLS, WOOD FLOOR WITH HEAVY INDUSTRIAL LINOLEUM COVERING. CONTAINS (2) TWO NEGATIVE PRESSURE DUMP HOPPERS SERVICING THE PACKAGING MACHINES ON THE FLOOR BELOW.

5. THE REMAINING AREA IN THE "Z" BLDG., APPROXIMATELY 17,000 SQ. FT., IS USED FOR SECONDARY PACKAGING OF SEALED BAGS INTO OUTER POUCHES AND CARTONS, PALLETIZING AND STRETCH WRAPPING FINISHED GOOD. OTHER AREAS IN "Z" BLDG. HOUSE OUR OFFICES, CAFETERIA, LOCKER ROOMS, MACHINE SHOP, NON HAZARDOUS PACKAGING OPERATIONS AND WAREHOUSING OF INCOMING AND OUTGOING GOODS.

6. THE NON-HAZARDOUS GENERATING AREA IN THE "S" BLDG. GROUND FLOOD, APPROXIMATELY 14,000 SQ. FT., IS USED FOR RE-PACKAGING OF NON-HAZARDOUS MATERIALS APPROXIMATELY 2,000 SQ. FT. APPROXIMATELY 1,000 SQ. FT. ARE USED FOR STORAGE OF HAZARDOUSE WASTE ALL OF WHICH ARE IN CLOSED DOT APPROVED DRUMS AND THE REMAINING 11,000 SQ. FT. IS USED FOR WAREHOUSING BULK MATERIALS IN CLOSED DRUMS, PACKAGING MATERIALS SUCH AS FILM, POUCHES, CARTONS, PALLETS, ETC.

7. BLDG. "S" 3RD FLOOR, 25,000 SQ. FT., IS USED EXCLUSIVELY FOR WAREHOUSING PACKAGING MATERIALS. WE DO NOT STORE ANY HAZARDOUS MATERIALS NOR IS THERE ANY PRODUCTION OR PROCESSING OF ANY KIND CONDUCTED IN THIS AREA.

CONTAINER STORAGE AREA

1. APPROXIMATELY 1,000 SQ. FT. LOCATED IN THE SOUTH EAST CORNER OF THE "S" BLDG. GOUND FLOOR. THE OUTSIDE WALL IS BRICK, ONE INSIOE WALL 8" CINDER BLOCK. POURED CONCRETE FLOOR - WITH TARRED JOINTS, NO BASEMENT..

   A. ALL HAZARDOUS WASTE STORED IN THIS AREA IS IN CLOSED DOT APPROVED STEEL DRUMS, PALLETIZED AND SHIPPED PERIODICALLY TO E.P.A. APPROVED DUMP SITE. MAXIMUM ACCUMULATION OF HAZARDOUS WASTE BETWEEN SHIPMENTS WILL VARY BETWEEN 0 AND 240 HUNDRED DRUMS. THE NET WEIGHT OF HAZARDOUS MATERIAL IN EACH DRUM WILL VARY FROM 20# TO 250 LBS.

AUXILIARY EQUIPMENT NEEDED TO IMPLEMENT CLOSURE

1. BARTLO PACKAGING HAS VACUUM CLEANERS AND BAG HOUSES WITH WHICH WE WILL UNDERTAKE THE INITIAL DECONTAMINATION STEPS, VACUUMING AND WIPING DOWN EQUIPMENT, WALLS, WINDOWS, FLOORS, OVERHEAD STRUCTURES, ETC.
2. DISMANTLING & DECONTAMINATION OF EQUIPMENT AND PARTITIONS IN THE PACKAGING AREA, WILL BE DONE WITH BARTLO PACKAGING PERSONNEL, KNOWLEDGEABLE AND EXPERIENCED IN HANDLING HAZARDOUS MATERIAL, PROPERLY UNIFORMED WITH DISPOSABLE COVERALLS, GLOVES, MASKS, ETC.
3. OUTSIDE CONTRACTORS WILL BE CALLED IN WITH HIGH PRESSURE HYDRO EQUIPMENT FOR FINAL WASHDOWN OF CONTAMINATED AREAS.
4. OUTSIDE CONTRACTS WITH SANDBLASTING EQUIPMENT WILL BE UTILIZED FOR SANDBLASTING PRODUCTION EQUIPMENT, BAG HOUSES AND DUCTS AFTER PRELIMINARY DECONTAMINATION AND DISASSEMBLY.

SCHEDULE OF FINAL CLOSURE (MILESTONE CHART)

1. FINAL DATE WASTE GENERATED FROM STORAGE 180 DAYS AFTER NOTIFICATION TO NJDEP.
2. DATES FOR COMPLETION OF INVENTORY REMOVAL FOR DISPOSAL 210 DAYS FROM DATE OF NOTIFICATION TO NJDEP.
3. FINAL DATE FACILITY DECONTAMINATED, INCLUDING DISPOSAL OF ALL CONTAMINATED MATERIALS 240 DAYS FROM NOTIFICATION TO NJDEP.
4. FINAL DATE CLOSURE COMPLETED 270 DAYS FROM NOTIFICATION TO NJDEP.
5. TOTAL TIME REQUIRED TO CLOSE FACILITY 270 DAYS AFTER NOTIFICATION TO NJDEP.
6. JUSTIFICATION IF CLOSURE EXCEEDS 3 MONTH TIME FRAME.
7. THE YEAR OF CLOSURE IS UNDETERMINED AT THIS TIME.

CLOSURE PLAN MILESTONE CHART

[ ] = START
| = COMPLETE
* = CONSULTANT'S VISIT

EVENT

TIME (DAYS)

0 — 60 — 120 — 180 — 240 — 270

NOTIFICATION PERIOD
NJOEP [ ] 180 DAYS

INVENTORY REMOVAL [ ] 30 DAYS |

FACILITY
DECONTAMINATION [ ] 60 DAYS |

CLOSURE COMPLETED [ ] 90 DAYS |

PROFESSIONAL INSPECTION
& CERTIFICATION [ ] * 90 DAYS * |

TOTAL TIME TO CLOSE FACILITY
FROM DATE OF NOTIFICATION TO NJDEP

[ ] 270 DAYS |

CHARACTERIZING THE WASTE

TAILINGS FROM DUST COLLECTOR, CONTAMINATED BAGS, WIPING CLOTHES, FLOOR SWEEPINGS, CONTAMINATED SAND AND WASH WATER FROM CLOSURE CLEAN UP.

HAZARDOUS CONTAMINENTS

1. PMA - MERCURY BASED PESTICIDE, SOLID N.O.S., POISON B, UN 2777
2. FUNDAL SP - AGRICULTURAL INSECTICIDE OR FUNGICIDE NOIBN O/T LIQUID
3. LANNATE - CARBAMATE PESTICIDE, SOLID, N.O.S. (METHOMYL) POISON B UN 2757
4. KERB 50W HAZARDOUS WASTE SOLID N.O.S. CONTAINS PRONAMIDE ORME

II. INVENTORY REMOVAL (TO BE FILLED OUT FOR EACH TYPE OF WASTE, ADDRESSING ALL WASTE IN INVENTORY; INCLUDING RESIDUE GENERATED BY THE DECONTAMINATION OF EQUIPMENT AND PRODUCTION AREAS BEFORE AND DURING CLOSURE.

A. MIXIMUN OF WASTE ON SITE

1. TOTAL AMOUNT OF WASTE/RESIDUE IN DRUMS AND NO. OF DRUMS (CONTAINERIZED WASTE WILL INCLUDE FLOOR SWEEPINGS, WIPING RAGS, TAILINGS FROM VACUUM CLEANER AND BAG HOUSES, CONTAMINATED SAND FROM SANDBLASTING OPERATION, CONTAMINATED WATER FROM STEAM CLEANING ETC.)
142, 55 GAL. DRUMS.

2. METHODS AND PROCEDURES FOR REMOVAL AND DISPOSAL OF INVENTORY

A. REMOVAL OF DRUMS OFF SITE

1. QUANTITY 142 X 55 GAL.
2. METHOD OF TREATMENT OR DISPOSAL - 2 TRUCK LOAD SHIPPED (LANDFILL)
3. OFF SITE - CHEMICAL WASTE MANAGEMENT EMILLE ALABAMA 1100 MILES

III. DECONTAMINATING THE FACILITY

A. AREA OF FACILITY WITH POTENTIAL SOIL CONTAMINATION - NONE

B. ALL EQUIPMENT AND/OR FACILITIES REQUIRING CLEANING - FOR BARTLO PACKAGING THIS INCLUDES: THE DUMP AND PACKAGING AREAS PREVISOULY DESCRIBED, PACKAGING MACHINES, HOPPERS, DUST COLLECTOR BAG HOUSES AND EXHAUST DUCTS.

1. PACKAGING, DUMP AREAS AND EQUIPMENT

A. WILL BE VACUUMED, WIPED DOWN AND DISMANTLED BY OWNER/OPERATOR LABOR. (COST ESTIMATES PROVIDED IN REPORT)

B. DECONTAMINATED MATERIAL SUCH AS WALL BOARDS, SHEET METAL DUCTS AND MACHINERY TO BE OBSOLETED WILL BE DISPOSED OF AT LAND FILL OR SCRAP METAL DEALER.

C. BRICK WALLS, FLOOR AND SUPER STRUCTURE IN DUMP AND PACKAGING ROOMS WILL BE HYDRO-CLEANED AFTER INITIAL CLEAN UP BY OWNER/OPERATOR PERSONNEL. (STEAM CLEANING WILL BE HANDLED BY PRIVATE CONTRACTOR - COST INFORMATION TO FOLLOW.)

D. BAG HOUSES, DUMP HOPPERS AND OTHER EQUIPMENT TO BE MOVED, SOLD OR DISCARDED WILL BE SAND BLASTED BY PRIVATE CONTRACTOR-COST ESTIMATE TO FOLLOW.

CLOSURE DECONTAMINATION

A. A SCHEDULE OF ESTIMATED NUMBER OF PERIODIC INSPECTION BY CERTIFYING ENGINEER WILL BE ANTICIPATED DURING CLOSURE - AS SHOWN ON MILESTONE CHART AT 210 DAYS AND 260 DAYS.

B. THE CERTIFYING ENGINEER WILL ARRANGE FOR SAMPLES OF RESIDUE TO BE TAKEN FROM EACH OF THE HARZARDOUS WASTE GENERATING AREAS OUTLINED. THESE WILL BE ANALYZED TO DETERMINE WHETHER ANY HAZARDOUS AND TOXIC RESIDUE RELATED TO OUR OPERATIONS REMAIN IN THE FACILITY. THE IDEAL LEVEL WILL BE ZERO, BUT WE KNOW OF NO STANDARD TO ESTABLISH ACTUAL CRITERIA FOR DECONTAMINATION.

CLOSURE COST ESTIMATE

I. WASTE INVENTORY AT TIME OF CLOSURE

1. 40 - 55 GAL. DRUMS OF CONTAMINATED RESIDUE. THIS IS PRODUCTION WASTE ACCUMULATED DURING THE 6 MONTHS NOTIFICATION PERIOD TO NJDEP AND PRIOR TO CLOSURE CLEAN UP. COST FOR THIS WASTE DISPOSAL IS BILLED TO AND RESPONSIBILITY OF OUR CUSTOMERS, AND THEREFORE NOT INCLUDED IN OUR CLOSURE COST.

A. DECONTAMINATION OF PROCESSING AREAS

CLEANING METHOD USED

VACUUM AND MANUAL WIPE BY OWNER/OPERATOR PERSONNEL

260 HRS. @ 12.00/HR 3,120

QT, & TYPE OF RESIDUE 20 - 55 GA. DRUMS OF CONTAMINATED SWEEPINGS, VACUUM CLEANER TAILINGS, RAGS, ETC.

20 DRUMS @ 100./DRUM 2,000

(INCLUDES TRANSPORTATION)

CLEANING METHOD STEAM CLEAN

TOTAL CLEANING COST PRIVATE CONTRACT 7,000

QT. & TYPE OF RESIDUE CONTAMINATED WASH WATER	3000 GALLONS	
COST OF DISPOSAL 60 DRUMS @ 100. (INCLUDES TRANSPORTATION)		6,000
TOTAL COST FOR DECONTAMINATION PROCESS AREA:		$ 18,120

B. DECONTAMINATION OF EQUIPMENT

INITIAL VACUUMING AND WIPE DOWN AND DISMANTLING BYY OWNER/OPERATOR PERSONNEL	
300 HRS @ $12.00/HR	3,600
QT. AND TYPE RESIDUE	
4 DRUMS @ $100./PER	400
(INCLUDES TRANSPORTATION)	
SANDBLASTING, BAG HOUSES, DUCTS & HOPPERS	
PRIVATE CONTRACTOR	4,500
QT. AND TYPE RESIDUE	
CONTAMINATED SAND 4 TONS	
18 DRUMS 450# NET EACH @ $100./PER	1,800
(INCLUDES TRANSPORTATION)	
TOTAL COST FOR DECONTAMINATION OF EQUIPMENT	$ 10,300

C. PROFESSIONAL CERTIFICATION

1.	NUMBER OF MAN HOURS REQUIRED FOR CERTIFICATION	8 HR.	
2.	COST PER MAN HOUR ENGR. $110		
3.	TOTAL COST OF ENGR. TIME		880.
4.	NUMBER OF TECHNICAL HOURS REQUIRED FOR ADMINISTRATION	4 HR.	
5.	COST PER MAN HOUR (TECHNICAL) $40.		
6.	TOTAL ADMINISTRATIVE COST FOR TECHNICAL LABOR		160.
7.	NUMBER OF CLERICAL HOURS REQUIRED FOR ADMINISTRATION	3 HR	
8.	COST PER MAN HOUR CLERICAL $12.		
9.	TOTAL ADMINISTRATION COST FOR CLERICAL LABOR		36.
10.	TOTAL CERTIFICATION COST:		$ 1,076.

D. TOTAL COST INCLUDING ADMINISTRATIVE AND CONTINGENCIES

1.	COST OF INVENTORY DISPOSAL (ACCUMULATED PRIOR TO CLOSURE)	
2.	COST OF DECONTAMINATING PROCESS AREA	18,120.00
3.	COST OF DECONTAMINATING EQUIPMENT	10,300.00
4.	COST OF PROFESSIONAL CERTIFICATION	1,076.00
5.	SUB TOTAL	$ 29,496.00
6.	CONTINGENCIES @ 15%	4,424.00
7.	ADMINISTRATION @ 15%	4,424.00
8.	TOTAL CLOSURE COST	$ 38,344.00

SCHEDULE B

TRUST PROPERTY CONSTITUTING THE TRUST FUND SHALL CONSIST OF ALL AMOUNTS PAID PURSUANT TO A DRAFT BY THE REGIONAL ADMINISTRATOR ON A LETTER OF CREDIT OF NATIONAL COMMUNITY BANK OF NEW JERSEY IN THE AMOUNT OF $40,000. IF AND WHEN DRAWN UPON.

REFERENCE - 8

P/

16-07-02

Bartlo Packaging Inc.

PACKAGING · ENGINEERING · MACHINERY · SERVICES
61 WILLETT STREET — PASSAIC, N.J. 07055
Telephone: (201) 778-6900

JULY 31, 1986

MR. ERNEST J. KUHLWEIN, ACTING CHIEF
BUREAU OF HAZARDOUS WASTE ENGINEERING
DIVISION OF HAZARDOUS WASTE MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CN 028
TRENTON, NEW JERSEY 08625

RE: RECLASSIFICATION OF TSD FACILITY STATUS
BARTLO PACKAGING INC.
EPA ID #NJD 061350179

GENTLEMEN:

WE HEREBY REQUEST TO BE REMOVED FROM THE DEP'S LIST OF "EXISTING TSD FACILITIES". WE WILL MAINTAIN OUR STATUS AS A GENERATOR.

OUR COMPANY DOES NOT RECEIVE OFF SITE GENERATED WASTES, OR TREAT HAZARDOUS WASTES. WE CAN SHIP HAZARDOUS WASTE FROM OUR SITE WITHIN THE 90 DAY PERIOD FROM THE CONTAINER ACCUMULATION START DATE. DISPOSAL OF ALL GENERATED HAZARDOUS WASTE IS ACCOMPLISHED BY USING REGISTERED HAULERS TO AUTHORIZED TREATMENT FACILITIES.

PLEASE DO NOT HESITATE TO CONTACT ME IF THERE ARE ANY FURTHER QUESTIONS OR FORMS WHICH MUST BE FILLED OUT TO EFFECT THIS CHANGE.

VERY TRULY YOURS,

JOHN S. BARTLO, PRESIDENT
BARTLO PACKAGING INC.

JSB/JS

CC: MR. ALI CHAUDHRY, STAFF ENVIRONMENTAL ENGR.
BUREAU OF HAZARDOUS WASTE ENGINEERING
DIVISION OF HAZARDOUS WASTE MANAGEMENT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CN 028
TRENTON, N.J. 08625

MARVIN ORESKY

REFERENCE - 9

CP-86-40

Bartlo Packaging Inc.

PACKAGING · ENGINEERING · MACHINERY · SERVICES
61 WILLETT STREET — PASSAIC, N.J. 07055
Telephone: (201) 778-6900

NOVEMBER 1, 1986

MR. ERNEST J. KUHLWEIN, JR., ACTING CHIEF
BUREAU OF HAZARDOUS WASTE ENGINEERING
STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
CN 028
TRENTON, NEW JERSEY 08625

RE: FACILITY STATUS - DELISTING
BARTLO PACKAING INC.
EPA ID NO. NJD 061350179
MEMORANDUM JULY 31, 1986 JCHNE BARTLO TO
ERNEST KUHLWEIN , JR.
MEMORANDUM OCTOBER, 1986 ERNEST KUHLWEIN, JR.
TO JOHN BARTLO

DEAR MR. KUHLWEIN:

WE HAVE REVIEWED YOUR MEMORANDUM OF OCTOBER 9, 1986 WHICH (1) GRANTED DE-LISTING CONSIDERATION FOR THE CONTAINER STORAGE AREAS, (2) REQUESTED DEMONSTRA-TION TO THE BUREAU OF COMPLIANCE WITH THE REQUIREMENTS OF NJAC 7:26-9.3(A), AND 3) REQUESTED ALL REQUIRED INFORMATION BE SUBMITTED BY NOVEMBER 8, 1986.

THIS MEMORANDUM IS TO COMPLY WITH THE NOVEMBER 8, 1986 DEADLINE FOR THE REQUESTED INFORMATION.

PROCEDURE FOR DELISTING OF CONTAINER STORAGE AREA

THIS CLOSURE PLAN SERVES TO DELIST THE HAZARDOUS WASTE CONTAINER STORAGE AREA ON THE BARTLO PACKAGING SITE. AFTER CLOSURE OF THIS AREA, BARTLO WILL IMMEDIATELY USE THE AREA IN THE SAME SERVICE TO STORE THE SAME TYPE OF CONTAIN-ERIZED HAZARDOUSE WASTE, AND AS A GENERATOR WILL DISPOSE OF ALL STORED CONTAINERS WITHIN 90 DAYS OF THE INITIAL FILLING DATE ON THE CONTAINER LABELS.

STORED MATERIAL - WASTE PESTICIDES

METHOD - ALL THE HAZARDOUS WASTE CONTAINERS STORED IN THIS AREA WILL BE TRANSFERRED TO A WASTE HAULER AND TRANSPORTED TO A TREATMENT FACILITY PERMITTED TO RECEIVE IT. THE CONCRETE FLOORING AND ADJACENT WALL WILL BE INSPECTED FOR THE PRESENCE OF ANY HAZARDOUS WASTE RESIDUE AND ANY RESIDUE FROM PREVIOUS SPILLS WILL BE SWEPT AND VACUUMED AND THE RECOVERED WASTE MATERIAL WILL BE PROPERLY DISPOSED.

THE CONCRETE FLOORING WILL THAN BE INSPECTED FOR RESIDUALS AND ANY RESIDUALS WILL BE REMOVED BY STEEL WOOL SCRUBBING AND ADDITIONAL SWEEPING OR VACUUMING. MANIFESTS FOR THE REMOVAL OF THE WASTE CONTAINERS AND ANY CLEANING MATERIALS WILL BE RETAINED. THE ENTIRE PROCEDURE WILL BE OBSERVED BY A PROFESSIONAL ENGINEER WHO WILL CERTIFY TO POPER PROCEDURE.

PROCEDURE:

1. THE OPERATIONS VICE PRESIDENT WILL DETERMINE THE WASTE TREATMENT FACILITY TO RECEIVE THE HAZARDOUS WASTE STORED IN THE AREA, AND ARRANGE WITH THEM TO RECEIVE THE SHIPMENT. HE WILL THEN ARRANGE WITH AN APPROVED HAULER TO PICK UP AND TREANSFER THE WASTE CONTAINING CONTAINERS ON A SPECIFIC DATE WHICH IS WITHIN 60 DAYS FROM THE DATE OF APPROVAL OF THE DELISTING PROCEDURE BY THE DEPARTMENT.

2. ON THE SPECIFIED DATE THE SHIPMENT OF ALL HAZARDOUS WASTE CONTAINERS TO THE TREATMENT FACILITY AND THE INSPECTION AND CLEANING/DECONTAMINATION OF THE EMPTY STORAGE AREA AS OUTLINED ABOVE WILL BE WITNESSED AND CERTIFIED TO BY MR. MARVIN ORESKY, P.E.

DEMONSTRATION OF COMPLIANCE WITH N.J.A.C. 7:26-9.3(A)

COMPLIANCE WITH THE REQUIREMENTS OF NJAC 7:26-9.3(A) WILL BE DEMONSTRATED BY SUBMITTAL OF APPROPRIATE SECTIONS OF THE HAZARDOUS WASTE MANAGEMENT PLAN FOR THE BARTLO PACKAGING FACILTY. COPIES OF THE CONTINGENCY PLAN HAVE BEEN SUBMITTED TO SAINT MARYS HOSPITAL, THE PASSAIC BOARD OF HEALTH, THE NEW JERSEY EMERGENCY RESPONSE TEAM, THE PASSAIC FIRE DEPARTMENT, AND THE PASSAIC POLICE DEPARTMENT. THE SECTIONS ARE AS FOLLOWS:

1. INTRODUCTION - THIS SECTION HAS BEEN MODIFIED TO REFLECT THE NEW STATUS OF GENERATOR, AND THE REVISED STORAGE PERIOD FOR HAZARDOUS WASTE CONTAINER TO BE A MAXIMUM OF 90 DAYS FROM THE DATE OF INITIAL FILLING.

2. PART 2.2 - TRAINING REQUIREMENTS FOR PERSONNEL INVOLVED WITH HAZARDOUS WASTE MANAGEMENT.

3. PART 2.4 - CONTAINER AREA REQUIREMENTS.

4. PART 2.6 - HOUSEKEEPING, MAINTENANCE, INSPECTION, SCHEDULE/LOG REQUIREMENTS AND LOGS.

5. PART 3 - CONTINGENCY PLAN AND EMERGENCY PROCEDURES INCLUDING:

   PART 3.1 - PREPAREDNESS AND PREVENTION - EVACUATION PROCEDURE.
   PART 3.2 - IMMEDIATE NOTIFICATION.
   PART 3.3 - COMPANY PERSONNEL AVAILABLE FOR SPILL CLEAN UP - EMERGENCY COORDINATION.
   PART 3.4 - EMERGENCY PROCEDURES.
   PART 3.5 - AVAILABLE SPILL CLEANUP MATERIALS AND EQUIPMENT.
   PART 3.6 - AVAILABLE AUTHORIZED CONTRACTORS AND SORBENT MATERIAL SUPPLIER.

PLEASE DO NOT HESITATE TO CONTACT ME IF YOU SHOULD HAVE ANY QUESTIONS OR COMMENTS ON THE DELISTING PROCEDURE AND TRANSMITTALS.

VERY TRULY YOURS,

John S. Bartlo

JOHN S. BARTLO, PRESIDENT
BARTLO PACKAGING INC.

JSB/JS

REFERENCE - 10

ORESKY & ASSOCIATES, INC.

RECEIVED

ENGINEERING & CONSTRUCTION SERVICES

234 MORNINGSIDE ROAD
PARAMUS, N.J. 07652
TEL (201) 44[illegible]

SEP 28 11 32 AM '8[illegible]
HAZARDOUS WAST[illegible]
MANAGEMENT
PROGRAMS

September 16, 1987

Mr. Ernest J. Kuhlwein, Jr., Chief
Bureau of Hazardous Waste Engineering
Department of Environmental Protection
Division of Hazardous Waste Management
401 East State Street
CN 028
Trenton, N. J. 08625

Re: Approval for Facility Delisting to Generator Only Status
Bartlo Packaging Inc.
Passaic, Passaic County
EPA ID No. NJD 061 350 179

Dear Mr. Kuhlwein:

As a result of compliance with the Bartlo Packaging Inc. closure plan I hereby recommend that the Department of Environmental Protection approve the delisting of the facility to generator only status.

The closure plan for the hazardous waste container storage area was approved by the Hazardous Waste Regulation Element in its transmittal dated June 26, 1987.

I hereby certify that on September 14, 1987 I witnessed the shipment procedure for all the hazardous waste containers in the Bartlo Packaging Inc. hazardous waste storage area to the Chemical Waste Management, Inc. facility in Emelle, Alabama. Three truckloads transporting 80 - 55 gallon drums each were hauled by SCA Chemical Service Co., Inc., and one truckload transporting 80 - 55 gallon drums was hauled by Price Trucking Corp.. The shipments to the facility were on manifests CWMA 271684, CWMA 271686, CWMA 271687, and CWMA 271688. Copies of the manifests are attached.

When the hazardous waste storage area was empty any dust/loose scale on the wall adjacent to the hazardous waste area was swept to the floor and the wall was visually inspected and approved. Floor sweeping compound was applied to the floor area of the hazardous waste storage area and the floor thoroughly swept to remove the floor sweep compound and any residue on the floor. The floor was visually inspected and the cleaning process was

continued until the floor was clean. The recovered floor sweep materials were collected and placed in a properly labeled and dated hazardous waste drum. The drum will be shipped off the premises within 90 days with the next hazardous waste shipment from the facility.

If there are any questions or comments concerning this submittal, please do not hesitate to contact me.

Very truly yours,

ORESKY & ASSOCIATES, INC.

Marvin Oresky

Marvin Oresky, P.E.
New Jersey License No. 16663

September 16, 1987

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD061350179 Manifest Document No. 000014

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
BARTLO PACKAGING INC
61 WILLETT ST.
PASSAIC, NJ 07055

4. Generator's Phone (201) 778-6900

A. State Manifest Document Number CWMA 271688

B. State Generator's ID

5. Transporter 1 Company Name: PRICE TRUCKING CORP.

6. US EPA ID Number: NYD046765574

C. State Transporter's ID S-842

D. Transporter's Phone 716-852-1124

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD000622464

G. State Facility's ID

H. Facility's Phone 205/652-9721

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	K.
a. CARBAMATE BASED PESTICIDE, SOLID, N.O.S. (METHOMYL) POISON B UN2757 CWM Profile Number A71125	27	DR	3562	P	
b. HAZARDOUS WASTE SOLID, N.O.S. CONTAINS PRONAMIDE CWM Profile Number A71128	53	DR	18694	P	
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a.
b.
c.
d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: RONALD F. MULLANEY VP — Signature: Ronald F. Mullaney — Month Day Year: 09/14/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ALFRED HUNTER — Signature: Alfred Hunter — Month Day Year: 09/14/87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

3RD

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Pleasa print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2000-0404. Expires 7-31-85

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA 10 No. WJD061350179 Manifest Document No. 000013

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
BARTLO PACKAGING INC.
61 WILLETT ST.
PASSAIC, NJ 07055

A. State Manifest Document Number CWMA 2[illegible]

B. State Generator's ID

4. Generator's Phone (201) 778-6900

5. Transporter 1 Company Name: SCA CHEMICAL SERVICE CO, INC. 6. US EPA ID Number: NJD089211790

C. State Transporter's ID [illegible]

D. Transporter's Phone (201)465-9100

7. Transporter 2 Company Name 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD000622464

G. State Facility's ID

H. Facility's Phone: 205/652-9721

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
a. CARBAMATE BASED PESTICIDE, SOLID, NOS (METHOMYL) POISON B UN2757 CWM Profile Number A71125	80	DR	16887	P	PM26
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

I. Additional Descriptions for Materials Listed Above

J. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
RONALD F. MULLANEY/VP	Ronald F. Mullaney	09	14	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	09	15	

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

TL#2

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generetor's US EPA ID No. NJD061350179 Manifest Document No. 080102

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Uenerstor's Name and Mailing Address
BARTLO PACKAGING INC.
61 WILLETT ST
PASSAIC, NJ 07055

A. State Manifest Document Number: CWMA 25

B. State Generator's ID:

4. Generator's Phone (201) 778-6900

5. Transporter 1 Company Name: SCA CHEMICAL SERVICE CO, INC

6. US EPA ID Number: NJD089216790

C. State Transporter's ID: S346 SH-25

D. Transporter's Phone: (201) 778-6900

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459

10. US EPA ID Number: ALD000622464

G. State Facility's ID:

H. Facility's Phone: 205/652-9721

11. US DOT Description (Including Proper Shipping Neme, Hezerd Class, end ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	K. Handling Codes for Wastes Listed Above
a. CABAMATE BASED PESTICIDE, SOLID, N.O.S. POISON B, (METHOMYL) UN2757 CWM Profile Number A71125	80	DM	13416	P	P020
b. CWM Profile Number					
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment sre fully and accurately described above by proper shipping neme and are clessified, packed, marked, and labeled, and are in all respects in proper condition for transpon by highway according to applicable international and national government regulations.

Unless I am a smsll quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I hava a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storege, or disposal currently availabia to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
RONALD F. MULLANEY VP	Ronald F. Mullaney	09	14	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
~~RONALD F. MULLANEY V.P.~~ Robert Fields	Robert Fields Ronald F. Mullaney VP	09	14	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Primed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

HAZARDOUS WASTE MANIFEST

(As Required By The Alabama Department of Environmental Management)

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)* Form Approved. OMB No. 2000-0404. Expires 7-31-88

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD0611157117 — Manifest Document No. — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
BARTLO PACKAGING INC
61 WILLETT STREET
PASSAIC, NJ 07055

4. Generator's Phone (201) 778-6700

A. State Manifest Document Number CWMA 271684

B. State Generator's ID

5. Transporter 1 Company Name: SCA CHEMICAL SERVICE CO. INC — 6. US EPA ID Number: NJD089216790

C. State Transporter's ID

D. Transporter's Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address — 10. US EPA ID Number
CHEMICAL WASTE MANAGEMENT, INC.
Emelle Facility
Alabama Highway 17 at Mile Marker 163
Emelle, Alabama 35459
ALD000622464

G. State Facility's ID

H. Facility's Phone 205/652-9721

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. MERCURY BASED PESTICIDE, SOLID, N.O.S. POISON B, UN2777 CWM Profile Number A71120	61	DM	11396	P	
b. CARBAMATE BASED PESTICIDE, SOLID, N.O.S. (METHOMYL) POISON B UN2757 CWM Profile Number A71125	19	DM	5267	P	
c. CWM Profile Number					
d. CWM Profile Number					

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a.
b.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: RONALD F. MULLANEY V.P. — Signature: Ronald F. Mullaney — Month Day Year: 09 14 87

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: FRANK T BARONE — Signature: Frank T Barone — Month Day Year: 09 14 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

REFERENCE - 11

Bartlo Packaging Inc.

PACKAGING · ENGINEERING · MACHINERY · SERVICES

61 WILLETT STREET — PASSAIC, N. J. 07055

Telephone: (201) 778-6900

October 6, 1987

Mr. Ernest J. Kuhlwein, Jr., Chief
Bureau of Hazardous Waste Engineering
Department of Environmental Protection
Division of Hazardous Waste Management
401 East State Street
CN 028
Trenton, New Jersey 08625

Re: Certification of Procedures for Delisting to Generator Only Status
Bartlo Packaging Inc.
Passaic, Passaic County
EPA ID No. NJD 061 350 179

Dear Mr. Kuhlwein:

As required by the delisting procedure for the hazardous waste container storage area, I hereby certify that closure has been completed in accordance with the approved closure plans and the requirements of N.J.A.C. 7:26 - 9.8.

On September 14, 1987 all the hazardous waste containers in the hazardous waste container storage area were shipped to the Chemical Waste Management, Inc. facility in Emelle, Alabama. Shipment of these containers was on manifests CWMA 271684, CWMA 271686, CWMA 271687, and CWMA 271688.

After emptying the hazardous waste container storage area the walls adjacent to the storage area were swept clean to the floor below. Floor sweeping compound was applied to the floor and it was thoroughly swept to remove any residue. The recovered floor sweepings were placed in a properly labeled hazardous waste drum. The floor and adjacent walls were visually inspected and approved for delisting by a consulting engineer, Mr. Marvin Oresky P.E. The hazardous waste container storage area has been put back into service storing hazardous waste containers.

Bartlo Packaging Inc. is presently managing its hazardous waste as a Generator and is complying with the requirements of NJAC 7:26 9.3a. All waste containers are being properly labeled with the initial filling date, properly stored, and will be shipped off the premises within 90 days of the initial filling date on the container label.

If you require any additional information please do not hesitate to contact me.

Very truly yours,

Ronald F. Mullaney

Ronald F. Mullaney, Vice President
BARTLO PACKAGING INC.

RFM/js

87(2AHM-HWC) HAZARDOUS WASTE COMPLIANCE MONITORING AND ENFORCEMENT LOG (NOTE: ..

. EPA ID: NJD126113510117191

. HANDLER NAME: BARTLO PACKAGING INC

. ADDRESS: 61 WILLETT STREET

4. ENTRY TYPE: New [✓] Update [ ]

4A. FULL NAME OF EVALUATION CONTACT PERSON: (PRINT CLEARLY) GORDON BEAVER Phone 609-292-9880

. DATE OF INITIAL EVALUATION WHICH IS THE BASIS FOR THIS REPORT: 1/21/88

5A. AGENCY RESPONSIBLE FOR EVALUATION: [S] (Select a code. Enter code in box.)
E = EPA; X = EPA Oversight; C = Contractor/EPA; S = State; B = Contractor/State; J = Joint; O = Other

. KIND OF EVALUATION COVERED BY THIS REPORT: [3] (Choose one of the codes listed. Enter code in box.)
1 = Compliance Evaluation Inspection(CEI); 2 = Sampling Inspection (CSI); 3 = Record Review; 4 = Comprehensive Groundwater Monitoring Evaluation (CME); 5 = Follow Up Evaluation; 6 = Other - Citizen Complaint (Inspec.); 7 = Other - Part B Call-In (Inspection); 8 = Other - Withdrawal Candidate (Inspec.); 9 = Other - Closed Facility (Inspection); 10 = Other - General (Inspection); 11 = Case Development Inspection

. EVALUATION CATEGORY: [3] (Enter code in box. See reverse side for choice of codes.)

. DATE OF SUBSEQUENT EVALUATION: __/__/__ (Do NOT fill in this item unless you are reporting a subsequent evaluation. The date of the Initial evaluation MUST be reported in Item 5.)

. AREA OF EVALUATION AND CLASS OF VIOLATION:
Enter in the appropriate box:
"X" if a violation is found.
"O" if no violations are found.
"Z" if the area evaluated is still under review.
"R" (used in the "GWM/Rel" box only) If a release is found.
"B" if both a release and violation are found ("GWM/Rel" box only).

CLASS OF VIOLATION	AREA OF EVALUATION (Enter an X, O, Z, R, or B In each Area which was evaluated)						
	GWM/Rel	Clo/PC	Fin Resp	Part B	Compl Schd	Manifest	Other
I			O				
II			O				

. ENFORCEMENT ACTIONS:

Class of Vio	Area of Vio	Action Type (Use code)	Date Action Taken	Compliance Dates Scheduled	Compliance Dates Verified	Penalty Assessed	Penalty Collected	Resp Agen (Use code)	Enf. Contact Person (Full Name)

Codes for Type of Enforcement Action: 01 = Interim Status Compliance Letter; 02 = §3007 Info. Request; 03 = Warning Letter/NOV; 04 = §3008(a) Complaint; 05 = §3008(a) Final Order; 06 = §3013 Order (Initial); 07 = §3013 Order (Final); 08 = §7003 Admin. Order; 10 = Informal Action; 11 = Civil Action (by DOJ); 12 = Filed Criminal Action; 13 = NOV (From EPA to State); 14 = NOV (From State to EPA); 15 = §3008(h) Complaint; 16 = §3008(h) Final Order; 17 = CERCLA §106 Admin. Order; 18 = Civil Referral(to AG/DOJ); 19 = Final Judicial Order; 20 = CERCLA §104 Fund Activity

Codes for Responsible Agency: E = EPA; X = EPA Oversight; S = State

. STATUS OF ENFORCEMENT ACTION: [ ]ACTIVE [ ]VIOLATING [ ]RESOLVED [ ]RESCINDED [ ]PROGRESSED STATUS DATE: __/__/__
(Place an "X" in front of the current status of the enforcement action. See reverse side for status definitions.)

. COMPLIANCE SCHEDULE MILESTONES (See reverse side.)

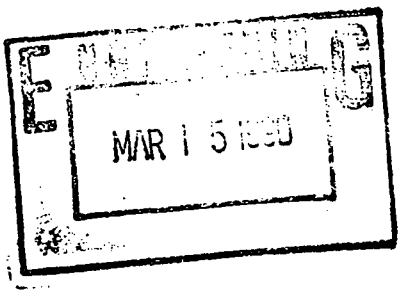
. COMMENTS: REVIEW AT REQUEST of MIKE GERCHMAN BFWE - 1-21-88
(Limit each comment to 80 characters. Up to 20 comments possible. Use reverse side if necessary.)

REFERENCE - 12

Gerchman

Bartlo Packaging Inc.

PACKAGING - ENGINEERING - MACHINERY - SERVICES
61 WILLETT STREET — PASSAIC, N. J. 07055
Telephone: (201) 778-6900



2 March 1990

Mr. David Shotwell
Division of Hazardous Waste Management
Department of Environmental Protection
1259 Route 46
Parsippany, New Jersey 07054

<Ref: Disposal of D009 water stored over 90 days>
<Certified Mail/Return Receipt: P 530 539 568>

Dear Mr. Shotwell;

Bartlo Packaging specializes in the contract packaging of powders for the agricultural-chemical industry. The repackaging process results in the generation of two types of waste: solid and liquid. The solid waste is usually composed of contaminated articles (gloves, packaging material, drum liners). The liquid waste results from the washing of packaging machinery. One of the products we repackage is Phenyl Mercuric Acetate (PMA).

Following direction provided by the Department to Bartlo, the liquid waste is designated as D009 (characteristic for mercury). A representative sample was submitted to Dupont Environmental Services which recently approved it for disposal. Because of a communications error between Dupont and Bartlo, as well as a computer system break-down at their facility, Bartlo only received the contract earlier this week. Upon its receipt, the contract was executed and is being returned to Dupont for final processing.

On March 4th of this year, we will have exceeded the 90 day hazardous waste storage limit for generators. Since Bartlo is listed as a TSDF, the waste can be legally retained on premises. However, because of our desire to de-list, we are writing in order to familiarize the Department with our situation. I have spoken with both Mr. Michael Gerchman and Mr. Robin Jones about this matter.

If you have any questions, please contact either Allen Bartlo or myself. I have spoken with both Mr. Robin Jones and Mr. Michael Gerchman about this matter. Mr. Jones has recently inspected our facility.

Sincerely,
BARTLO Packaging Inc.

Stanley J. Janusz, Manager
Environmental and Occupational Affairs

cc: M. Gerchman/NJDEP ✓
R. Jones/NJDEP
A. Bartlo/BARTLO

sj/dep

REFERENCE - 13

FMG

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
LANCE R. MILLER, DIRECTOR
CN 028
Trenton, N.J. 08625-0028
(609) 633-1408
Fax # (609) 633-1454

Stanley J. Janusz, Manager
Environmental and Occupational Affairs
Bartlo Packaging, Inc.
61 Willet Street
Passaic, NJ 07055

MAR 26 1991

RE: Termination of Hazardous Waste Facility Status, Bartlo Packaging, Inc., Passaic, Passaic County, EPA ID No. NJD 061 350 179, New Jersey Facility No. 1607B1

Dear Mr. Janusz:

Bartlo Packaging, Inc. has been listed as a hazardous waste storage facility subject to permitting requirements because the facility had filed a Part A Hazardous Waste Facility Permit Application with the United States Environmental Protection Agency for the storage of hazardous waste in containers.

The Bureau of Hazardous Waste Engineering (hereinafter "the Bureau") has reviewed its files and concluded that your facility's hazardous waste container storage area was closed in accordance with an approved closure plan, and certification of closure was submitted on September 16, 1987.

If the above conclusion is incorrect or incomplete, please contact the Bureau immediately. Assuming the above is correct, the facility identified by the following USEPA identification number

NJD 061 350 179

is excluded from applicable hazardous waste treatment, storage or disposal regulations under N.J.A.C. 7:26-1 et seq. provided that all hazardous waste generated on-site is accumulated in containers in accordance with the following:

1. All such waste is, within 90 days or less, shipped off-site to an authorized facility or placed in an on-site authorized facility, as defined at N.J.A.C. 7:26-1.4.

2. The waste is placed in containers which meet the standards of N.J.A.C. 7:26-7.2 and are managed in accordance with N.J.A.C. 7:26-9.4(d).

MAR 26 1991

3. The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container. While being accumulated on-site, each container shall be clearly labeled or marked with the words "Hazardous Waste" and labeled in accordance with 49 CFR 172.304.

4. The generator complies with the requirements for owners and operators of N.J.A.C. 7:26-9.6 and 9.7 concerning preparedness and prevention, contingency plans and emergency procedures as well as N.J.A.C. 7:26-9.4(g) concerning personnel training.

Your company's hazardous waste facility identified above is no longer included in the Bureau's list of "existing facilities" (see N.J.A.C. 7:26-1.4 and 12.3) and therefore does not need to conform with the interim operating requirements of N.J.A.C. 7:26-1 et seq. for "existing facilities". It is the company's responsibility to operate within conditions listed above. To operate a hazardous waste facility without prior approval from the Department of Environmental Protection is a violation of the Solid Waste Management Act N.J.S.A. 13:1E-1 et seq.

This written acknowledgement of the exclusion of the subject company from the hazardous waste facility requirements under N.J.A.C. 7:26-1 et seq. is based expressly on the review of the aforementioned correspondence. This letter makes no claim as to the extent and physical condition of the actual hazardous waste activities occurring at the site mentioned above.

The issuance of this delisting letter by the Department does not indicate, or imply, and should not be construed as a waiver of any requirements pursuant to the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. and regulations promulgated thereunder concerning the New Jersey Pollutant Discharge Elimination System, N.J.A.C. 7:14-1 et seq. If your facility is in any of the regulated categories identified in the above cited regulations, you are hereby directed to apply for any and all permits necessary within ninety days.

Very truly yours,

Thomas Sherman

Thomas Sherman, Chief
Bureau of Hazardous Waste Engineering

EP62/slw

c: Ellen Doering, USEPA
David Shotwell, BNE

DOCUMENT: BPI
FOLDER: SLWMCB

REFERENCE - 14

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. N J D 0 1 6 1 3 5 0 1 7 9 — Manifest Document No. 0 0 0 0 4

2. Page 1 of 1

Information in the shaded ar is not required by Fede law.

3. Generator's Name and Mailing Address
BARTLO PACKAGING INC,
61 WILLETT STR.
PASSAIC, NJ 07055

4. Generator's Phone (201) 778-6900

A. State Manifest Document Number NJA 0736938

B. State Generator's ID SAME

5. Transporter 1 Company Name: SJ TRANSPORTATION

6. US EPA ID Number: N J D 0 7 1 6 2 9 9 7 6

C. State Transporter's ID NJDEP SO 3211

7. Transporter 2 Company Name:

8. US EPA ID Number:

D. Transporter's Phone (609) 769-2741

E. State Trans. ID

9. Designated Facility Name and Site Address
ROLLINS ENVIRONMENTAL SERVICES
ROUTE 322 & I - 295
BRIDGEPORT, NJ 08014

10. US EPA ID Number: N J D 0 5 3 2 8 8 2 3 9

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone (609) 467-3105

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X	RQ, WASTE CARBAMATE PESTICIDE SOLID, N.O.S. (METHOMYL) UN2757, POISON B	4 1	D F	2 8 9 9	P	P 0 6
b.	X	HAZARDOUS WASTE SOLID, N.O.S. (PRONAMIDE) NA9189, ORM-E	2 0	D F	1 4 5 3	P	U 1 9
c.		NON-HAZARDOUS SOLID WASTE, N.O.S.	1 0	D F	6 1 1	P	X 9 1
d.							

J. Additional Descriptions for Materials Listed Above

a. METHOMYL - 30%
SCRAP - 70% C-315

b. PRONAMIDE - 20% C-390
REPACKAGING WASTE - 80%

c. BENOMYL - 20%
HEXAKIS - 20%
INERT INGREDIENTS - 60%

d.

K. Handling Codes for Wastes Listed Above

a. c.

b. d.

IS. Special Handling Instructions and Additional Information
A) L-32644
B) L-10984
C) L-31420

DECAL 14226
DECAL 15816

FOR CHEMICAL EMERGENCY CALL CHEMTREC (800) 424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and se the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: Allen Bartlo — Signature: Allen Bartlo — Month 0 3 Day 0 2

TRANSPORTER

17. Transportur 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: CLARENCE DUNN — Signature: Clarence Dunn — Month 0 3 Day 0 2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day

EPA Form 8/00-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COP

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection. (609) 292-5560 (Day) (609) 292-7172 (Night)

REFERENCE - 15

Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NJD061135011791 — Manifest Document No. 00005

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Bartlo Packaging Inc.
61 Willett Street
Passaic, NJ 07055

A. State Manifest Document Number NJA 0736939

4. Generator's Phone (201) 778-6900

B. State Generator's ID: Same

5. Transporter 1 Company Name: S-J TRANSPORTATION CO

6. US EPA ID Number: NJD071629976

C. State Trans. ID: 3217-15653

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (609) 769-2741

E. State Trans. ID

9. Designated Facility Name and Site Address
Rollins Environmental Services
Route 322 & I-295
Bridgeport, NJ 08014

10. US EPA ID Number: NJD053288239

F. Transporter's Phone ( )

G. State Facility's ID

H. Facility's Phone: 609 467-3105

	11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ, WASTE CARBAMATE PESTICIDE SOLID, N.O.S. (METHOMYL) POISON B, UN2757	028	DF	02083	P	P066
b.	X HAZARDOUS WASTE SOLID, N.O.S. (PRONAMIDE) ORM-E, NA9189	004	DF	00326	P	U192
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. METHOMYL – 30%
SCRAP – 70% C-315

c.

b. PRONAMIDE – 20% C-390
RFPACKING WASTE – 80%

d.

K. Handling Codes for Wastes Listed Above

a. c.

b. d.

15. Special Handling Instructions and Additional Information

A) L-32644
B) L10984

DECAL ~~15656~~ 15653
DECAL ~~15676~~

FOR CHEMICAL EMERGENCY CALL CHEMTREC (800) 424-9300

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: JOHN HERSHEY Jr.

Signature: JL Hershey Jr

Month Day Year: 10 03 92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: ALAN DANNER

Signature: Alan Danner

Month Day Year: 10 03 92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

EPA Form 8700-22 (Rev. 8/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

In case of an emergency or spill immediately call the state the emergency occurred in and the N.J. Dept. of Environmental Protection (609) 292-5550 (Day) (609) 292-7172 (Night)

REFERENCE - 16

JOHNSON & MALHOTRA, P.C.
ENVIRONMENTAL ENGINEERS

Reference: 16

TELEPHONE LOG

Project Number	Site Name and Location
NJD061350179	Bartlo Packaging Inc Passaic, NJ

Contact And Position	Company Or Agency
John Hershey	

Contact Address	Contact Phone Number
61 Willet Street Passaic, NJ	(201) 778-6900

CCJM Employee	Date	Time
Sorin Schwartz	6/22/92	1510

Discussion I spoke w/ John regarding background information John confirmed the address is correct. He told me the site is listed as a generator only. Methanyl (P066) is the only hazardous waste being generated. He informed me that a RCRA inspection was conducted on June 16, 1992. I informed him that we will be contacting his company to gain access in the near future.

Signature: Sorin Schwartz

REFERENCE - 17

801-221-02000
032

DIETZGEN

FIELD BOOK

DIETZGEN CORPORATION

EVERYTHING FOR DRAFTING
SURVEYING & PRINTMAKING

Bartlo Packaging

Team : Santosh Sharma.
Anthony. Mahinda.

Weather : Sunny, 90°F, Breezy

Date : 7/13/92

Manhattan Rubber before 1972.
for making Rubber products.
Vacant for some time (2 yrs).
Bartlo Packaging

They are generators only. The facility is about 60,000 sq ft in area. Approximately 55 people work on-site.

Repackaging powder materials. Agricultural products, insecticides, etc. No herbicides. No waste from off-site.

Approximately 10,000 pounds of Haz waste is generated. Only liquid waste generated is from washing of machines.

Permits - No permits except for dust collector.

8/5/92 CONVERSATION J. LENNON W/ A. MAHINDA, RE: SITE VISIT.

THERE WERE ~~TWELVE~~ FOUR PROCESSING UNITS AT THE FACILITY. THESE UNITS TOOK IN THE PESTICIDE AND AUTOMATICALLY WEIGHED AND BAGGED THE PESTICIDE INTO SMALLER PORTIONS. DUST, CREATED AS THE PESTICIDE WAS PROCESSED BY THE MACHINE, WAS REMOVED BY NEGATIVE PRESSURE AND DIRECTED TO TWO HOPPER-LIKE DEVICES (ONE FOR TWO PROCESSING UNITS) AT THE BOTTOM OF WHICH THE DUST WAS PASSED INTO A PLASTIC-LINED FIBER DRUM. (SEE SITE PHOTOS). ONE OF THE PROCESSING UNITS WAS INOPERATIVE AT THE TIME OF THE SITE VISIT, DUE TO MAINTENANCE.

8/7/92

JCL, CONVERSATION WITH A. MAHINDA RE: SITE VISIT.

The waste drums are stored inside the building on flat concrete. No floor drains were observed inside building. The area around the building is paved. A spill may reach the storm drains on the street.

JCL, CONVERSATION W/ S. SHARMA RE: SITE VISIT 8/7/92.

NO DAYCARE FACILITIES, SCHOOLS OR RESIDENCES NEAR SITE (~200')

REFERENCE - 18

C.C. JOHNSON & ASSOCIATES, INC.

TELEPHONE CALL CONFIRMATION

Local: / Long Distance: 201-778-6900 Date: 8/7/92

To/From: JC Lennon Time: 11:00

John Hersley, Bartlo Packaging Project: Bartlo

CCJA NAME: PG, Bartlo Packaging (BASCO) Proj. No.

Subject:

Bartlo stopped shipping out D009 waste (Hg chlor.) in 12/91. A change in regulations in 5/92 caused customers to stop using mercury tainted products, so that line was discontinued. Wastewater is now nonhazardous (tested once) and stored outside the haz waste containment storage area. Solid waste in the area is in steel drums, the non-haz liquid waste is in plastic drums. No floor drains are located near haz waste storage section of the warehouse. The entire haz waste storage area will be dated off in the future. The area measures approx. 30' x 40'.

JC

Route to:

File:

REFERENCE - 19

GEOLOGY AND GROUND-WATER RESOURCES OF UNION COUNTY, NEW JERSEY

By Bronius Nemickas

U.S. GEOLOGICAL SURVEY
Water-Resources Investigations 76–73

Prepared in cooperation with
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION, DIVISION OF WATER RESOURCES

June 1976

GEOLOGY AND GROUND-WATER RESOURCES OF UNION COUNTY, NEW JERSEY

By Bronius Nemickas

ABSTRACT

Ground water in Union County occurs in the voids of unconsolidated stratified drift deposits of Pleistocene age and in the joints and fractures of the Brunswick Formation and Watchung Basalt of Late Triassic age.

Wells (6 inches or greater in diameter) in the stratified drift deposits yield from 180 to 690 gpm (gallons per minute). The specific capacity of these wells range from 4.0 to 69 and average 19 gpm per foot of drawdown. High yielding wells in the stratified drift deposits are located primarily in the valley-fill deposits in the bedrock valleys that were cut by streams before the Wisconsin Glaciation in Pleistocene time.

Wells (6 inches or greater in diameter) in the Brunswick Formation yield from 12 to 870 gpm; the most productive water-bearing zones are commonly between depths of 200 to 600 feet. The specific capacity of wells in the Brunswick Formation range from 0.04 to 25 and average 3.5 gpm per foot of drawdown. Wells (6 inches or greater in diameter) in the Watchung Basalt yield from 20 to 164 gpm and the specific capacities of the wells range from 0.24 to 2.5 and average 1.2 gpm per foot of drawdown.

The quality of ground water from the stratified drift deposits is generally acceptable for most uses. Hardness ranges from 110 mg/l (milligrams per liter) to 210 mg/l. The pH ranges from 6.4 (slightly acidic) to 8.5 (slightly alkaline). The quality of ground water from the Brunswick Formation is acceptable throughout the country for most usea. Hardness ranges from 71 mg/l to 1193 mg/l. The pH ranges from 6.3 to 8.5. Calcium and magnesium are the predominant cations. Sulphate is the predominant anion in water having dissolved solids greater than 500 mg/l and bicarbonate is the predominant anion in water having dissolved solids less than 500 mg/l.

Withdrawals of ground water from all aquifers in Union County by public supply are estimated to aversge about 16.0 mgd (million gallons per day) in 1968. The greatest quantity of ground water is withdrawn from the Brunswick Formation--about 11.6 mgd for public supply in 1968. The stratified drift aquifers yield substantial quantities of water--about 4.4 mgd in 1968--but the deposits are of limited extent. The Watchung Basalt is of minor importance as sn aquifer in Union County.

Industrial Products	Number of Establishments
Chemicals and allied products	104
Fabricated metal products	226
Machinery, except electrical	275
Food and kindred products	71
Miscellaneous manufacturing	77
Printing and publishing	113
Furniture and fixtures	34
Instruments and related products	25
Textile mill products	14
Stone, clay, and glass products	26
Rubber and plastics products	63
Total	1,424

(New Jersey Department of Environmental Protection, 1967)

GEOLOGY

Newark Group

During the Late Triassic Epoch downfaulting produced a series of northeast-southwest trending basins in the Piedmont Plateau from Nova Scotia to North Carolina. Sedimentary and associated igneous rocks of Triassic age occupy the downfaulted basins and are known as the Newark Group. In New Jersey the Newark Group crops out in a band 16 to 30 miles wide trending northeast-southwest from the Delaware River to the Hudson River (fig. 1). Union County lies entirely within this band.

The Newark Group In New Jersey contains 15,000 to 20,000 feet of non-marine shales, mudstones, sandstones, conglomerates, and basic igneous rocks that unconformably overlie rocks of Paleozoic and Precambrian age. The sedimentary rocks of the Newark Group were largely derived from Paleozoic and Precambrian rocks to the southeast and deposited in a non-marine Intermontane basin (Van Houten, 1965). During Triassic time the sedimentary rocks were intruded by a diabase sill, dikes, and covered by several flows of basalt.

The Newark Group underlying Union County consists of the Brunswick Formation and Watchung Basalt. The generalized geologic map (fig. 4) shows the areal distribution of the Triassic rocks underlying Union County. Figure 5 is a generalized section showing the geology and structure of Union County.

The Brunswick Formation consists of thin-bedded shales, mudstones, and sandstones which range in color from reddish-brown to gray. The reddish-brown color originates from reworked hematite which comprises 5 to 10 percent of the formation (Boch, 1959). The minerals of the Brunswick Formation include quartz, illite, muscovite, feldspar, and small amounts of calcite and gypsum. Primary structures such as ripple marks and mud cracks indicate that the Brunswick Formation was deposited in a shallow-water environment.

The regional strike of the Brunswick Formation in Union County is N50°E with dips 9° to 13°NW. The major joint sets strike approximately N45°E and N75°W and both sets have a vertical dip. The thickness of the formation is 6,000 to 8,000 feet.

The Watchung Basalt consists of three extensive basaltic lava sheets that are intercalated with the sedimentary rocks of the Brunswick Formation. The basalt flows are more resistant to erosion than the shales, mudstones, and sandstones and form prominent ridges. Two of the three lava sheets occur in Union County and form the First and Second Watchung Mountains. The third sheet forms a discontinuous ridge known as Long Hill and Hook Mountain in Morris County to the west of Union County.

The basalt flows are volcanic extrusive rocks which were formed by the outflow of lava onto the land surface. Rapid cooling of the flows produced a dense, aphanitic rock. Phenocrysts are present in the ground mass which give the basalt a porphyritic texture. The phenocrysts are usually augite and in some cases feldspar. The ground mass for the most part consists of augite and feldspar.

The basalt sheets vary in thickness from less than 300 feet in parts of the Long Hill flow to a maximum of about 1,200 feet in parts of the Second Watchung Mountain. The Second Watchung Mountain is a double flow sheet separated by a thin section of the Brunswick Formation. The thickest flow sheet is the upper flow of the Second Watchung Mountain which has a maximum thickness of about 800 feet.

Quaternary Deposits

Unconsolidated sediments deposited by glaciers or by glacial meltwater during the Pleistocene Epoch mantle the bedrock surface in Union County. These deposits consist of clay, silt, sand, gravel, and boulders. They are glacial, glaciolacustrine (deposited by glacial meltwater in lakes), or glacial fluvial (deposited by glacial meltwater in streams) in origin.

The Pleistocene sediments fall into three general classes: (1) end moraine--a moraine jointed across the course of a glacier at its farthest advance; (2) ground moraine--the material carried forward in and beneath the ice and finally deposited from its under surface; and (3) stratified

drift--deposits from glacial meltwater exhibiting both sorting and stratification. The stratified drift includes lacustrine (deposited in lakes) and fluviatile (deposited in streams) sands and clays.

Figure 3 is a surficial geologic map of Union County showing the extent of the end moraine, ground moraine, and stratified drift. West of the end moraine near Scotch Plains and Plainfield, stratified drift forms an outwash plain (fig. 3).

Before the last glaciation the rivers draining Union County cut deep valleys into the Brunswick Formation (fig. 2). Subsequently the valleys were filled and buried by glacial material. The thickness of the glacial deposits is controlled largely by the underlying bedrock topography. Figure 6 consists of three sections showing the altitudes of the bedrock valley floor and thickness of Pleistocene deposits in the bedrock valleys. These buried channels underlie parts of Hillside, Union, Springfield, Clark, and Scotch Plains Townships, and the Boroughs of Mountainside, New Providence and Kenilworth and the Cities of Summit and Rahway.

The Pleistocene sediments in the bedrock channels consist of unstratified and stratified clay, silt, sand, and gravel. Only the sand and gravel deposits of the stratified drift will yield large quantities of water to wells.

Deposits of Holocene (Recent) age cover only small areas and include river alluvium, and eolian deposits.

The stratigraphic units in Union County and their geologic and hydrologic characteristics are given in Table 1. Table 6 contains representative well logs indicating the variations in the lithologies of the geologic units.

GROUND WATER HYDROLOGY

Introduction

Water is continually being exchanged in a circulatory pattern between the earth and the atmosphere. In general, the amount of precipitation ultimately determines the amount of water available for man's use. Some of the precipitation that falls on land evaporates where it falls, some is absorbed by plants that later transpire the water back to the atmosphere, some flows overland to streams, and some infiltrates into the ground to become ground water. The ground water is discharged to streams, and streams flow to the oceans where the water can be evaporated back to the atmosphere.

Nearly all the ground water in Union County originates from local precipitation, which averaged 46 inches per year during the period from 1921 to 1950 (Parker and others, 1964, plate 3). Average annual runoff, which includes overland runoff and ground-water discharge to streams, ranged from 18 to 22 inches (1921-50) in Union County (Parker and others, 1964, plate 12). Average annual water loss caused by evaporation and transpiration was 26 inches (1921-50) in Union County (Parker and others, 1964, plate 4).

Recharge to the zone of saturation is supplied by infiltration from precipitation through the soil and percolation to the water table. The amount of water that reaches the water table varies throughout the year and is controlled by type, amount and intensity of precipitation, slope of land surface, geology, soil moisture, vegetative cover and temperature.

The intensity and amount of rainfall affects the amount of recharge to the aquifer. Much of the water from a high-intensity rainfall may run off directly to streams instead of percolating down to the aquifer whereas gentle rains of long duration supply considerable ground water recharge.

Areas with steep slopes have a more rapid runoff rate and recharge in general is less than in areas which have gentle slopes and consequently less rapid runoff.

Ground-water recharge may occur along stream banks by influent seepage from the surface-water bodies after a heavy rainfall. The stream level rises at a faster rate from precipitation than does the water table. The water table slope is temporarily reversed and seepage of surface water to the aquifer occurs. This water is bank storage and is released to the stream once the surface level falls below the water table.

In some areas, wells located near streams that are in hydraulic continuity with the aquifer reverse natural gradients when they are being pumped and induce recharge from the stream to the aquifer.

Water-level Fluctuations

The U.S. Geological Survey maintains eight observation wells in the Brunswick Formation in Union County. The hydrographs of three of the observation wells are shown in figure 7.

The hydrograph of the Kenilworth well No. 4 (fig. 7A) shows the seasonal fluctuations of water levels in the area. The generally lower water levels of the period 1953-60 as compared with the period 1943-52 is a result of increased pumpage that occurred during this period. The decline in water levels starting in 1960 (fig. 7A) is attributed to the below average precipitation, when the northeastern states experienced a prolonged drought. The rapid recovery from the low point reached in July 1965 is attributed to the return of normal or above-normal precipitation.

The hydrograph of the Hillside well No. 27 (fig. 7B) shows seasonal water level fluctuations due to pumpage in the area. The general lowering of water levels from 1953 to 1961 is a result of increased pumpage. The increased rate of water level decline from 1961 to 1965 la also attributed largely to below-average precipitation. Hydrographs of the remaining six observation wells in Union County show no significant decline in water levels during the period 1956 to 1968. The hydrograph (fig. 7C) of one of these wells tapping the Brunswick Formation, Elizabeth No. 1, shows a rise in water levels from about 1963 to 1968. Thia rise is believed to be the result of decreased pumpage from nearby wells. However, no data are available to indicate such changes in pumpage.

The water table generally rises from the end of October to the middle of April, a period when evapotranspiration is at its lowest (fig. 8). The decline of water levels as shown by the hydrograph of Kenllworth well No. 4 indicates that discharge exceeds recharge from April through October when evapotranspiration is at its highest (fig. 8). The ground-water level decline is accompanied by decreasing stream runoff (fig. 8). The decline in stream runoff is partly controlled by the decreaalng water-table gradient. The decrease in overland flow to streams in spring and summer also decreases total runoff, because most of the precipitation either evaporates or infiltrates the soil, where it is transpired by plants.

Hydrologic Properties of Rocks

Porosity is the ratio of the volume of pore space in a rock to its total volume and is expressed as a percentage. Porosity includes both primary openings such as intergranular pore space in the Pleistocene deposits and secondary openings such as joints and fractures in the Brunswick Formation and Watchung Basalt.

The permeability of a rock is its capacity to transmit water. The coefficient of permeability is the rate of flow of water, in gallons per day through a cross-sectional area of 1 square foot under a hydraulic gradient of 1 foot per foot at a temperature of 60°F.

The coefficient of transmissibility of an aquifer is the rate of flow of water, at the prevailing water temperature, in gallons per day, through a vertical strip of the aquifer 1 foot wide extending the full saturated height of the aquifer under a hydraulic gradient of 100 percent.

The storage coefficient of an aquifer is the volume of water in cubic feet discharged from each vertical column of the aquifer with a base of 1 foot square as the water level falls 1 foot.

In field practice, the coefficient of transmissibility and storage are usually determined by aquifer tests, and the coefficient of permeability is computed by dividing the transmissibility by the saturated aquifer thickness.

The specific capacity of a well, the rate of yield per unit drawdown for some time interval, generally gallons per minute per foot of drawdown, can be a good measure of the transmissibility of the rocks. High specific capacities generally suggest a high coefficient of transmissibility, and low specific capacities generally suggest a low coefficient of transmissibility. However, specific capacity also is affected by the coefficient of storage, the thickness and boundary conditions of the aquifer penetrated by the well, and development and construction of the well.

For a more complete discussion of general ground-water hydraulics, the reader is referred to Theis (1935, p. 519-524), Ferris (1949, p. 226-272), Todd (1959, p. 77-104), DeWiest (1965, p. 161-183), and Davis and DeWiest (1966, p. 156-174).

Water-bearing Properties of Major Rock Units

Newark Group

Brunswick Formation

The Brunswick Formation of late Triassic age is the major aquifer in Union County and underlies most of the county. Water in this formation occurs in joints and fractures. These joints and fractures become progressively tighter and fewer with increasing depth below land surface. Only moderate quantities of water can be stored or transmitted in these fractures.

Ground water occurs under both unconfined and confined conditions in the Brunswick Formation. Unconfined ground water occurs mainly in the upland areas where overlying unconsolidated sediments are thin or absent. In the lowland areas in the southern and eastern part of Union County the rocks are mantled by unconsolidated Pleistocene deposits that, in most places, contain silt and clay beds. In the lowland areas the silt and clay beds may confine water in the underlying rocks. Wherever such confinement occurs, water beneath the impermeable layers is under artesian pressure. In a few areas the artesian head is above land surface resulting in flowing wells. Locally, artesian conditions result from differences in permeability within the rock layers caused by varying degrees of fracturing, or weathering, or a combination of both.

Several pumping tests have been conducted on wells tapping the Brunswick Formation in Union County. The coefficient of transmissibility determined from five of these tests ranged from 5,900 to 25,400 gpd per ft; most of the values lie between 15,000 and 25,000 gpd per ft. The average coefficient of storage computed from these tests is about 0.00005.

Results of pumping tests indicate that the Brunswick Formation is anistropic; that is, its ability to transmit water is not equal in all directions. The greatest drawdowns caused by pumping are observed in wells aligned along the strike of the beds with respect to the pumping well. The smallest drawdowns are observed in wells aligned transverse to the strike (Vecchioli, 1967). These pumping test observations have been interpreted to indicate that joints and factures which strike parallel to the strike of the bedding are better developed and interconnected than joints and fractures which strike in other directions. Therefore, minimum interference between pumping wells in well fields tapping the Brunswick Formation can be achieved by aligning the wells across the strike of the beds rather than parallel to the strike.

The average reported yield of 230 public-supply, industrial, and commercial wells (table 4) tapping the Brunswick Formation is 200 gpm; yields range from 12 to 870 gpm. A better indication of the potential yield of properly located and developed wells tapping the Brunswick Formation can be obtained from analysis of yields of large diameter (10 inch or greater) wells. The large diameter wells, generally the deeper wells, represent attempts to develop the maximum supply of water. The average yield of 109 large diameter wells (table 4) is 310 gpm; yields range from 23 to 870 gpm.

The distribution of well yields is as follows:

Yield (gpm)	230 Wells	109 Large Diameter Wells
0 - 50	18	2
51 - 100	42	9
101 - 150	36	8
151 - 200	32	14
201 - 250	25	10
251 - 300	20	13
301 - 350	16	15
351 - 400	10	7
401 - 450	6	6
451 - 500	9	9
501 - 550	10	10
551 - 600	2	2
600	4	4

Figure 9 shows the cumulative frequency distribution of reported yields of wells in the Brunswick Formation. It can be seen on the graph that 20 percent of the 230 wells have yields equal to or less than 10 gpm. 50 percent of the large diameter wells have yields equal to or less than 300 gpm. Many of the higher yielding wells occur where the Brunswick Formation is overlain by relatively thick, saturated glacial deposits that readily pass water downward into the fractures in the Brunswick Formation.

The specific capacities of 205 wells (6 to 12 inches in diameter) in the Brunswick Formation range from 0.04 to 25 and average 3.5 gpm per foot of drawdown; 14 of the wells have specific capacities greater than 10 gpm per foot of drawdown. The depths of the wells range from 100 to 1,108 feet and average 387 feet.

figure 10 Is a cumulative frequency distribution graph of specific capacities of wells tapping the Brunswick Formation in Union County. In figure 10, specific capacities are related to the well diameter. The larger diameter wells have the higher specific capacities. Median specific capacities are 1.7 for 6 and 8-inch diameter wells, 2.0 for 10 inch diameter wells and 3.1 for 12 inch and larger diameter wells. The higher specific capacities In the larger diameter wells can be attributed to better well development, well site selection and decreased well entrance losses.

In table 2, specific capacities are listed in percentile on the basis of depth of well drilled below land surface. In order to minimize the effect of well diameter on specific capacity, separate listings for larger and smaller diameter wells are given. Wells between 200 and 600 feet deep, in general have higher specific capacities than wells of shallower or greater depths. This relationship suggests that the best water-producing zones in the Brunswick Formation are encountered between depths of 200 and 600 feet. Below 600 feet the fractures and joints are less enlarged and generally drilling to greater depths will not produce significantly greater well yields.

Wells tapping the Brunswick Formation generally draw water from several water-bearing zones. In areas where the rocks are exposed or covered by a thin layer of unconsolidated sediments the shallow water-bearing zones contain unconfined water to a depth of about 200 or 300 feet. If wells penetrate to depths between 200 and 600 feet one or more confined zones of greater permeability are intercepted. The wells thst are drilled between 200 to 600 feet in general have the greatest yields.

Watchung Basalt

The Watchung Basalt is a minor aquifer and underlies the western edge of Union County. In this formation vesicles add primary porosity to the secondary porosity developed from the joints and fractures. However, all these openings corstitute only a small part of the total volume of the basalt and their capacity to store and transmit water is poor.

REFERENCE - 20

Ferrer, Applied Hydrogeology, CE Merrill, 1980

sample, so that the finer material can fill the voids between larger fragments.

3. Coarser samples show a greater decrease in permeability with an increase in standard deviation than fine samples.
4. Unimodal (one dominant size) samples have a greater permeability than bimodal (two dominant sizes) samples. This is again a result of poorer sorting of the sediment sizes, as the bimodal distribution indicates.

TABLE 4.4. Ranges of intrinsic permeabilities and conductivities for unconsolidated sediments

Material	Intrinsic Permeability (darcys)	Conductivity (cm/sec)
Clay	$10^{-6} - 10^{-3}$	$10^{-9} - 10^{-6}$
Silt, sandy silts, clayey sands, till	$10^{-3} - 10^{-1}$	$10^{-6} - 10^{-4}$
Silty sands, fine sands	$10^{-2} - 1$	$10^{-5} - 10^{-3}$
Well-sorted sands, glacial outwash	$1 - 10^{2}$	$10^{-3} - 10^{-1}$
Well-sorted gravel	$10 - 10^{3}$	$10^{-2} - 1$

4.3.4 PERMEABILITY OF ROCKS

The intrinsic permeability of rocks is due to primary openings formed with the rock and secondary openings created after the rock was formed. The size of openings, the degree of interconnection, and the amount of open space are all significant.

Clastic sedimentary rocks have primary permeability characteristics similar to unconsolidated sediments. However, diagenesis can reduce the size of the throats which connect adjacent pores through cementation and compaction. This could reduce permeability substantially without a large impact on primary porosity. Primary permeability may also be due to sedimentary structures, such as bedding planes.

Crystalline rocks, whether of igneous, metamorphic, or chemical origin, typically have a low primary permeability, in addition to a low porosity. The intergrown crystal structure contains very few openings, so fluids cannot pass through as readily. The exceptions to this are volcanic rocks, which can have a high primary porosity. If the openings are large and well connected, then high permeability may also be present.

Secondary permeability can develop in rocks through fracturing. The increase in permeability is initially due to the number and size of the fracture openings. As water moves through the fractures, minerals may be dissolved from the rock and the fracture enlarged. This increases the permeabil-

REFERENCE - 21

Bartlo Pckg.

TELEPHONE CONVERSATION RECORD

DATE: 8/6/92 TIME: 1540

PERSON CALLING: JC Lennon

PERSON CALLED: Joyce Donadio

AFFILIATION: Nutley Public Works Dept.

PHONE NUMBER: 201-284-4951

TOPIC: Nutley Public Water Supply

The town does not use any municipal wells for its supply. Most of the water comes from the North Jersey District Water Supply Network. There is a well located behind the town hall which residents use by filling up their own containers (milk jugs, ect.). It is not connected to the water supply system. The well is approx. 300 feet deep and flows from the top without a pump (i.e. artesian). The best water in town" comes from this well. The town hall is located on 1 Kennedy Drive, near the corner of Franklin & Chestnut.

[Note: The town hall is approx. 2.6 miles south of Bartlo Pckg.]

REFERENCE - 22

TELEPHONE CONVERSATION RECORD

DATE: 8/7/92 TIME: 0930

PERSON CALLING: JC LENNON

PERSON CALLED: Sandra

AFFILIATION: ~~Public works dept.~~, Clifton City Eng. Office

PHONE NUMBER: 201- 470- ~~5800~~ 5793

TOPIC: Water Wells in Clifton

These are two wells in Clifton used by the public which are not connected to the water supply. One is at the Holy Face Monistary and the other at the Clifton City Hall. The city hall well is tested monthly. Residents can fill up containers at the well. It is 180 ft deep ~~to~~ and flows freely without a pump. (artesian). For more info talk to Stewart Palfrey mon on monday (City Eng.). City Hall

Note: City Hall located at intersection of Van Houten & Clifton, approx 1.3 Northwest ~~1.25~~ miles from Bartle Pekg.

REFERENCE - 23

Bartlo Pckg.

TELEPHONE CONVERSATION RECORD

DATE: 8/6/92 TIME: 1530

PERSON CALLING: JC Lennon

PERSON CALLED: Tom Savchelli, Supt. of Water Operations

AFFILIATION: City of Montclair

PHONE NUMBER: 201-783-5600

TOPIC: Montclair pipln water Supply

Montclair uses a mix of ~~Dome~~ Municipal Well water and water from the North Jersey District Water Supply network. The well/North Jersey mix in Montclair is approximately 25%/75%, but varies depending on the area of Town. There are Three municipal wells in Montclair:

- The Rand Well (near the Rand School), corner of North Fullerton & Chestnut
- The Glenfield Well, corner of Maple & Bloomfield
- The Lorraine Well, corner of Lorraine and N. Mountain.

There is an air stripper for each well which removes VOC's. Each well is approx 300' deep, and the water levels are between 130 and 140' below ground surface (approx.). The wells are screened in the Brunswick Shale. The Town is "protecting" an area 500' around each well by removing oil tanks.

~~He believes~~ The Montclair system supplies Clifton, West Orange, Glen Ridge and Little Falls

He believes Nutley is supplied by North Jersey District Water Supply and Newark water supply, and is not supplied by any of the Municipal wells.

Page ___ of ___

Note the closest well to Bartlo Pckg. The Lorraine well is 3.7 miles west & uphill from Bartlo Pckg.

REFERENCE - 24

Bartle Perky.

TELEPHONE CONVERSATION RECORD

DATE: 8/7/92 TIME: 1410

PERSON CALLING: J.C. Lennon

PERSON CALLED: Ed Kafs

AFFILIATION: Passaic Valley Water Commission

PHONE NUMBER: 201-~~256-~~ 340-4319

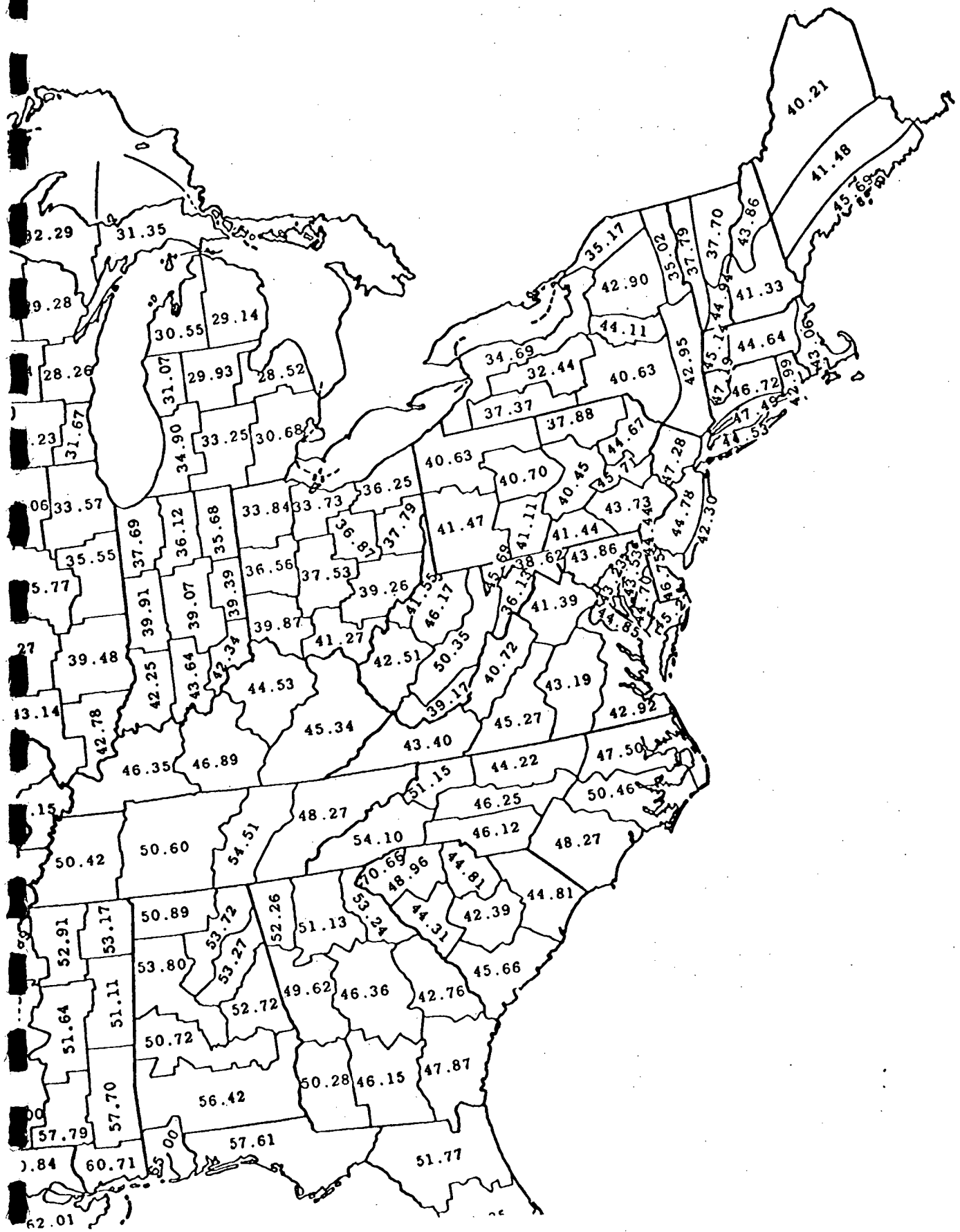
TOPIC: Passaic water supply, municipal wells

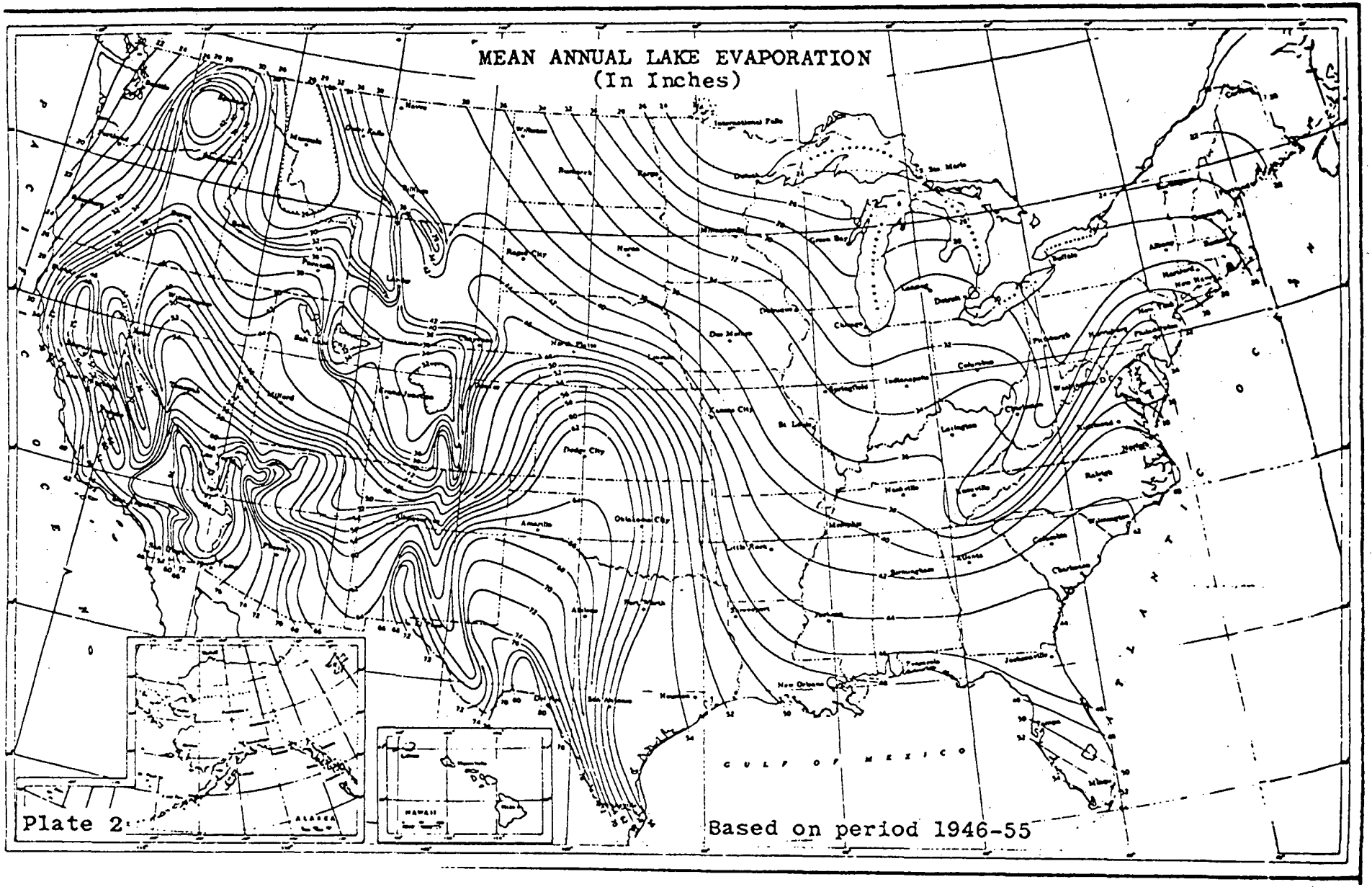
PVWC supplies drinking water to the cities of Passaic, Clifton, and Paterson. No municipal wells are used as a source of this supply. All water comes from river inlets and reservoirs. He does not know about the supply for Nutley & Montclair. Note: One ~~outlet~~ inlet is shown on the fax he had sent to Santosh S. on 7/20/92, a pumping station on the Passaic River in Little Falls.

REFERENCE - 25

MEAN ANNUAL TOTAL PRECIPITATION (inches) BY STATE

CLIMATIC DIVISIONS




MEAN ANNUAL LAKE EVAPORATION
(In Inches)
GULF OF MEXICO
ALASKA
HAWAII
Plate 2
Based on period 1946-55

REFERENCE - 26

LATITUDE 40:51:20 LONGITUDE 74: 8:45 1980 POPULATION

KM	0.00- 0.4 (1/4)	0.4- 0.8 (1/2)	0.8- 1.6 (1.0)	1.6- 3.2 (2)	3.2- 4.8 (3)	4.8- 6.4 (4)	SECTOR TOTALS
S 1	1081	8557	24552	82249	122548	161069	400056
RING TOTALS	1081	8557	24552	82249	122548	161069	400056

BARTLO PACKAGING INCORPORATED
PASSAIC, NEW JERSEY

Graphical Exposure Modeling System
by General Science Corporation
April 1990

REFERENCE - 27

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 5.1 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown
Survey from aeri
This information
Purple tint indica

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt - - - - - -
U. S. Route State Route
Interstate Route

QUADRANGLE LOCATION

in purple and woodland compiled by the Geological
al photographs taken 1976 and other sources
not field checked. Map edited 1981
tes extension of urban areas

ORANGE, N. J.
N4045—W7407.5/7.5

1955
PHOTOREVISED 1981
DMA 6165 I SW-SERIES V822

74°15' 564 2 120 000 FEET 566 12'30"

0.7 MI TO INTERCHANGE 144
1.6 MI TO U.S. 1 (INTERCHANGE 130)

Mapped by the Defense Mapping Agency
Edited and published by the Geological Survey

Control by USGS, NOS/NOAA, USCE, and New Jersey Geodetic Survey

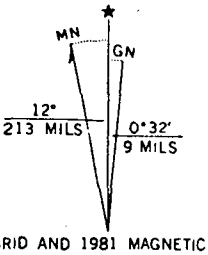
Topography by photogrammetric methods from aerial photographs taken 1942 and 1943. Field checked 1943
Culture revised by USGS by planetable surveys 1955

Hydrography compiled from NOS chart 287 (1954)
This information is not intended for navigational purposes

Polyconic projection. 10,000-foot grid ticks based on New Jersey coordinate system. 1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 35 meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

There may be private inholdings within the boundaries of the National or State reservations shown on this map



UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

6165 I SW

NEWA

SCALE 1:24000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

IRK 11 MI.

ROAD CLASSIFICATION

Heavy-duty — Light-duty

Medium-duty — Unimproved dirt

U. S. Route — State Route

Interstate Route

QUADRANGLE LOCATION

PATERSON, N. J.

N4052.5—W7407.5/7.5

1955
PHOTOREVISED 1981
DMA 6165 I NW-SERIES V822

1°15' CALDWELL 3 MI. VERONA 3.6 MI. 2 120 000 FEET 566 12'3

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and New Jersey Geodetic Survey

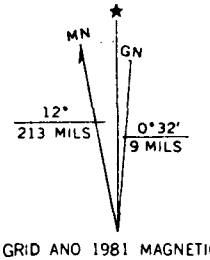
Topography by planetable surveys 1937–1938
Culture revised 1955

Polyconic projection. 10,000-foot grid ticks based on New Jersey coordinate system. 1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 35 meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

Revisions shown in purple compiled from aerial photographs taken 1976 and other sources. This information not field checked. Map edited 1981

Purple tint indicates extension of urban areas



UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

...ORGE WASHINGTON BRIDGE 7 MI.

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 5.3 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions s
taken 197
field check

Purple tint

584000m E.

ROAD CLASSIFICATION

Heavy-duty ..... Light-duty .....
Medium-duty ..... Unimproved dirt .....
U. S. Route State Route
Interstate Route

QUADRANGLE LOCATION

shown in purple compiled from aerial photographs
5 and other sources. This information not
ed. Map edited 1981

indicates extension of urban areas

HACKENSACK, N. J.

40074-H1-TF-024

1955
PHOTOREVISED 1981
DMA 6165 I NE-SERIES V822

07'30" 74 73 70 2 180 000 FEET 71 5'

3.5 MI. TO N. GEO.

Mapped, edited, and published by the Geological Survey

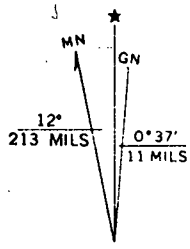
Control by USGS, NOS/NOAA, and New Jersey Geodetic Survey

Topography by planetable surveys 1934. Revised 1955

Hydrography compiled from NOS chart 287 (1954)
This information is not intended for navigational purposes

Polyconic projection. 10,000-foot grid ticks based on New Jersey coordinate system. 1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 35 meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown



UTM GRID AND 1981 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4.2 FEET IN THE HUDSON RIVER
AND 5.1 FEET IN THE HACKENSACK AND PASSAIC RIVERS

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Heavy-duty ——— Light-duty ———

Medium-duty ——— Unimproved dirt - - - - -

Interstate Route U. S. Route State Route

QUADRANGLE LOCATION

WEEHAWKEN, N. J.—N. Y.

40074-G1-TF-024

1967
PHOTOREVISED 1981
DMA 6165 I SE-SERIES V822

Revisions shown in purple compiled from aerial photographs taken 1976 and other sources. This information not field checked. Map edited 1981

Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York Department of Transportation

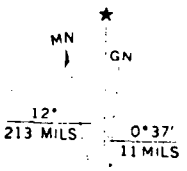
Control by USGS, NOS/NOAA, USCE, and New Jersey Geodetic Survey

Topography by planetable surveys 1935. Revised from aerial photographs taken 1966. Field checked 1967

Selected hydrographic data compiled from NOS charts 287, 745, and 746 (1966). This information is not intended for navigational purposes

Polyconic projection. 10,000-foot grid ticks based on New Jersey coordinate system, and New York coordinate system, Long Island zone
1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 35 meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown



UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

(201) 365-5584

CITY OF PASSAIC, NEW JERSEY

FAX # (202) - 365 - 5582

FAX LEAD SHEET

DATE: 11/19/92 TIME: 11:00 AM

TO: MARK NOBERETT

FROM: EDWARD SZWALEK

RE: BARTLOW PACKAGING

NUMBER OF PACES INCLUDING THIS PACE: 2

IF ALL PAGES ARE NOT RECEIVED, CONTACT US AS SOON AS POSSIBLE!

COMMENTS: As per phone conversation
following is storm data for subject area.
If you have further questions
please call 201-365-5624
ED Szwalek

COPY TO:

PHONE CONVERSATION RECORD

By: Noblett Date: 11-19-92

With: E. Szwaler Time: 9:20 Am

Title: Engineer Phone #: 201-365-5624

Company/Agency: City of Passaic, NJ.

Subject: Bartle Site Drainage

DISCUSSION ITEMS:

Noblett: what drains site?

ES: storm sewers + RR ditch to MacDonald Brook. will fax map.

Noblett: ok.

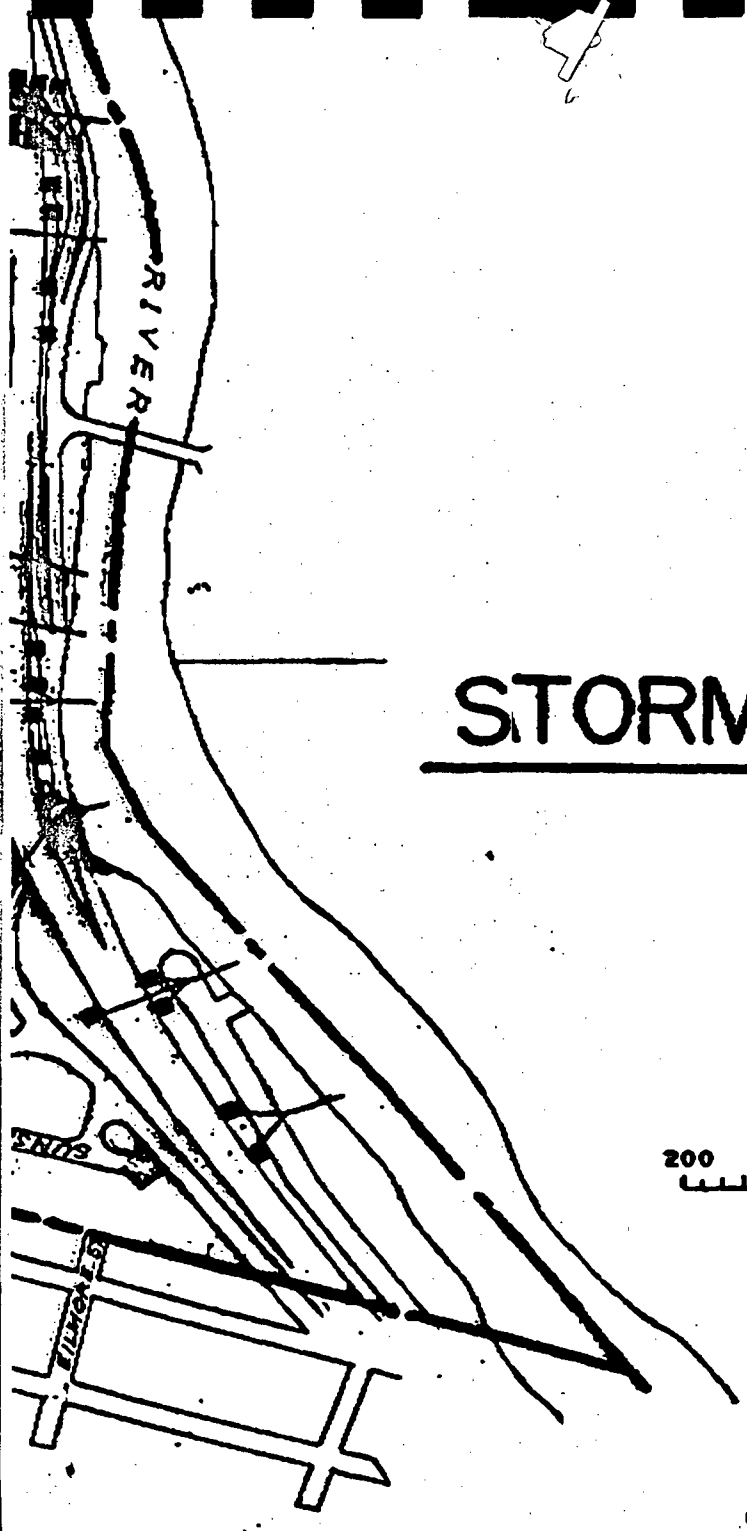
ACTION ITEMS:

Bartlo Packaging
Surface Water Route
Item 12

Surface water runoff from this site is collected by municipal storm sewers. storm sewers discnarge surface water from this site to MacDonald Brook, the nearest water course. MacDonald Brook discharges to the Passaic River which discharges to the Newark Bay which discharges to Arthur Kill which discharges to the ocean.

Item 13
Distances which water from this site travels are the following:

Plow Path	Distance
Storms sewers to MacDonald Brook	0.3 mile
MacDonald Brook to Passaic River	0.9 mile
Passaic River to Newark Bay	11.4 miles
Newark Bay to Arthur Kill	6.6 miles
Arthur Kill to Ocean	12.9 miles



STORM WATER SEWERS

W-1-45

200 0 200 400 600 800 1000 1200 1400 1600 1800 2000

SCALE IN FEET

REVISED APR. 19. 1974

C. Ty. of Passaic

ATTN -

N
SITE
McDonald Brook
McDonald Brook
LAKE
PASSAIC
PENNINGTON
BLAINE
ALBION

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
PASSAIC,
NEW JERSEY
PASSAIC COUNTY

ONLY PANEL PRINTED

COMMUNITY-PANEL NUMBER
340403 0001 B

EFFECTIVE DATE:
SEPTEMBER 28, 1979

U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

REFERENCE - 28

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

CITY OF
PASSAIC,
NEW JERSEY
PASSAIC COUNTY

ONLY PANEL PRINTED

COMMUNITY-PANEL NUMBER
340403 0001 B

EFFECTIVE DATE:
SEPTEMBER 28, 1979

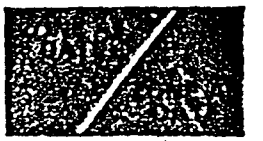
U.S. DEPARTMENT OF HOUSING
AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION

KEY TO MAP

500-Year Flood Boundary ——————

100-Year Flood Boundary ——————

Zone Oesignallons* With Date of Identification e.g., 12/2/74



100-Year Flood Boundary ——————

500-Year Flood Boundary ——————

Base Flood Elevation Line With Elevation In Feet** ~~~~~5/3~~~~~

Base Flood Elevation in Feet Where Uniform Within Zone** (EL 987)

Elevation Reference Mark RM7×

River Mile *M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas projected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

INITIAL IDENTIFICATION:
AUGUST 31, 1973

FLOOD HAZARD BOUNDARY MAP REVISIONS:

INITIAL IDENTIFICATION:
AUGUST 31, 1973

FLOOD HAZARD BOUNDARY MAP REVISIONS:

FLOOD INSURANCE RATE MAP EFFECTIVE:
SEPTEMBER 28, 1979

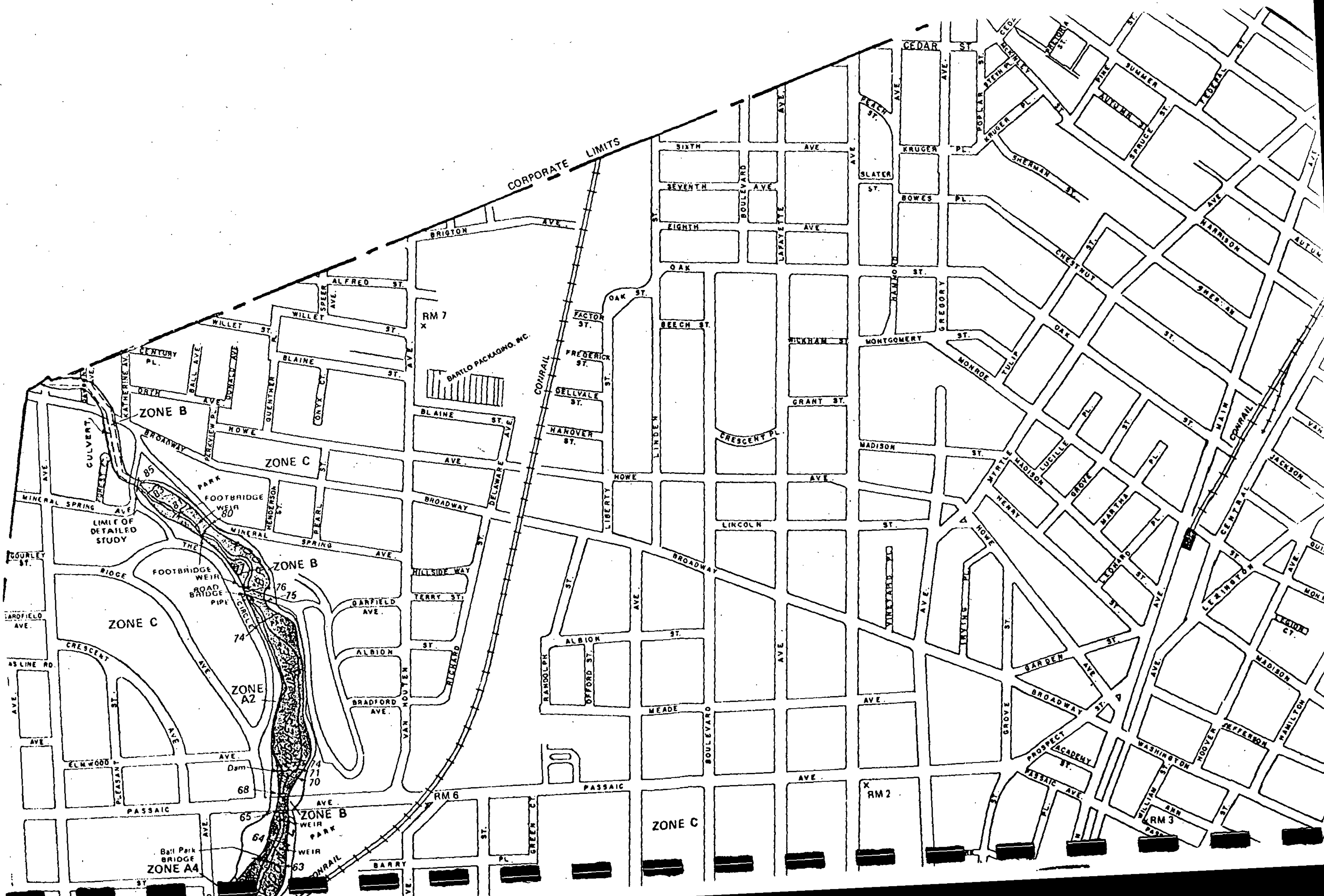
FLOOD INSURANCE RATE MAP REVISIONS:

Refer to the FLOOD INSURANCE RATE MAP EFFECTIVE date shown on this map to determine when actuarial rates apply to structures in the zones where elevations or depths have been established.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program at (800) 638-6620, or (800) 424-8872.

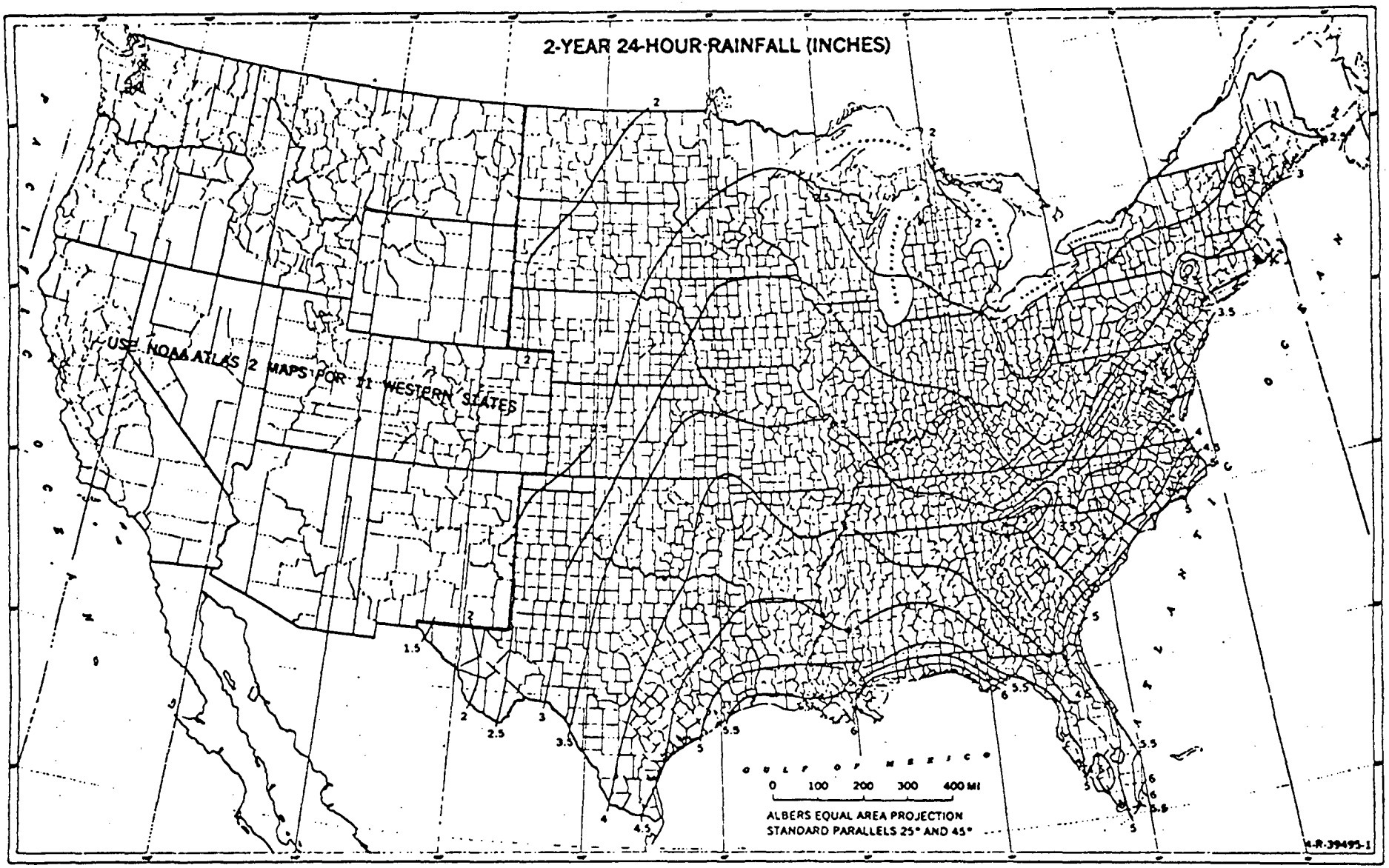
APPROXIMATE SCALE

500 0 500 FEET



CORPORATE LIMITS
CONRAIL
RM 7
BARTLO PACKAGING, INC.
ZONE B
ZONE C
ZONE A2
ZONE A4
CULVERT
LIMIT OF DETAILED STUDY
FOOTBRIDGE
WEIR
ROAD BRIDGE
PIPE
PARK
Dam
Ball Park BRIDGE
RM 6
RM 2
RM 3
85
80
76
75
74
71
70
68
65
64
63
BROADWAY
MINERAL SPRING AVE.
PASSAIC AVE.
HOWE AVE.
BLAINE ST.
WILLET ST.
ALFRED ST.
BRIGTON AVE.
CEDAR ST.
SIXTH AVE.
SEVENTH AVE.
EIGHTH AVE.
OAK ST.
BEECH ST.
LINCOLN ST.
MADISON ST.
GRANT ST.
MONTGOMERY ST.
CRESCENT PL.
LINDEN ST.
LIBERTY ST.
DELAWARE AVE.
VAN HOUTEN AVE.
RICHARD ST.
ALBION ST.
GARFIELD AVE.
BRADFORD AVE.
MEADE AVE.
BOULEVARD
CHESTNUT ST.
MAIN AVE.
CENTRAL AVE.
WASHINGTON AVE.

REFERENCE - 29



Source: Urban Hydrology for Small Watersheds
USDA, SCS, Technical Release No. 55, June 1986.

Figure B-3.—Two-year, 24-hour rainfall.

1/3

REFERENCE - 30

SURFACE WATER INTAKE LOCATIONS

BUREAU OF SAFE DRINKING WATER

With Longitude & Latitudes

Prepared by: Michael Mariano

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF STATE DRINKING WATER
MARCH 1992

PWSID#	PURVEYOR NAME	PHONE NUMBER	INTAKE MUNICIPALITY	INTAKE LOCATION	LONGITUDE	LATITUDE
0102001	ATLANTIC CITY WATER DEPARTMENT	609-345-3515	ABSECON	DOUGHTY POND - South tip Mays Landing Rd. & Mill Rd.	74 31 21.6	39 25 48.75
0231001	SACKENSACK WATER DEPARTMENT	201-767-9500	PARAMUS	SADDLE RIVER - South of intersection of Paramus Rd. & Midland Ave.		
			ORADELL	HACKENSACK RIVER - At Martin Ave.	74 01 34.46	40 56 47.63
			NORTHVALE	SPARK MILL CREEK - Northwest of intersection of Pegasus Ave. & Mill Terr.		
			ORADELL	LONG SWAMP BROOK - At Parlin Ave.		
0305001	BURLINGTON CITY WATER DEPARTMENT	609-386-0501	EAST BURLINGTON	DELAWARE RIVER - 1/4 mile north of Assiscunk Creek	74 50 21.82	40 05 19.78
			BURLINGTON ISLAND	BURLINGTON ISLAND LAKE		
0325001	FORT DIX	609-562-5040		RANCOCAS CREEK	74 37 47.10	39 57 54.68
1613001	NEOWSC	201-575-0225	POMPTON LAKES	RAMAPO RIVER - At Pacpton Lake (pump to Wanaque Res.)		
			WANAQUE	RAMAPO RESERVOIR - Ringwood Ave & Oricchio Ave	74 17 39.4	41 02 47.67
0111001	CITY OF ORANGE	201-762-1000	SOUTH ORANGE	ORANGE RESERVOIR - On West branch of Rahway River 40 ft upstream from Dee	74 17 11.48	40 45 33.45

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER
MARCH 1992

PWSID#	PURVEYOR NAME	PHONE NUMBER	INTAKE MUNICIPALITY	INTAKE LOCATION	LONGITUDE	LATITUDE
0717001	NJ AMERICAN NORTHERN DISTRICT	201-374-8800	KILLSORE	PASSAIC RIVER - At Kennedy Parkway	74 21 54.16	40 44 42.88
			SHORT HILLS	CANOE BROOK - North of Route 24	74 21 13.31	40 44 40.77
			CALDWELL	PONPTON RIVER - At Bridges Rd.		
0714001	NEWARK WATER DEPT	201-256-4945		PEQUANNOCK WATER SHED	74 25 27.07	41 01 32.44
0906001	JERSEY CITY WATER DEPARTMENT	201-547-4390	BOONTON	BOONTON RESERVOIR - 200 yds northwest of Washington St Bridge	74 23 51.41	40 53 33.80
			ROCKAWAY	SPLIT ROCK RESERVOIR - Empties into Boonton Res. via Rockaway River		
1017001	LAMBERTVILLE WATER DEPARTMENT	609-397-0524	LAMBERTVILLE	SWAN CREEK RESERVOIR EAST	74 55 28.18	40 21 40.58
			LAMBERTVILLE	SWAN CREEK RESERVOIR WEST	74 55 43.10	40 21 44.63
			LAMBERTVILLE	DELAWARE-RARITAN CANAL - At Swan St. (Emergency)	74 54 44.94	40 21 55.90
1111601	CITY OF TRENTON	609-989-3208	TRENTON	DELAWARE RIVER - At Rt 29 north of Calhoun St. Bridge	74 44 45.57	40 13 19.86
1218001	PERTH AMBOY	908-824-0290	OLD BRIDGE	JENKINS POND - At Waterworks Rd.	74 20 12.23	40 25 33.99
1225001	MIDDLESEX WATER CO	908-634-1500	EDISON	DELAWARE-RARITAN CANAL & MILLSTONE RIVER - At Rt 18	74 27 34.80	40 34 25.64

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER
MARCH 1992

PWSID#	PURVEYOR NAME	PHONE NUMBER	INTAKE MUNICIPALITY	INTAKE LOCATION	LONGITUDE	LATITUDE
1214001	NEW BRUNSWICK WATER DEPARTMENT	908-745-5060	NEW BRUNSWICK	LAWRENCE BROOK - At Burnet St. St.	74 24 49.97	40 26 58.48
			NEW BRUNSWICK	DELAWARE-RARITAN CANAL - At George St & College Ave		
1214002	NORTH BRUNSWICK	908-247-0922	FRANKLIN TWP	DELAWARE-RARITAN CANAL - At Suydam Ave.	74 34 59.03	40 27 38.49
1219001	SAYREVILLE	908-390-7000	OLD BRIDGE	SOUTH RIVER - At Main St North of Rt 18	74 21 41.75	40 24 58.99
1352005	NEW JERSEY WATER SUPPLY AUTH.		WALL TWP	MANASQUAN RIVER - Hospital Rd. North of Garden State Parkway (Pump to Manasquan Resevior)	74 11 27.45	40 10 51.82
1345001	NI AMERICAN - MONMOUTH		WALL TWP	MANASQUAN RIVER - Hospital Rd. North of GSP (Pump to Glendola Reservoir)	74 04 45.13	40 11 42.47
			NEPTUNE TWP	SHARK RIVER - Off Corlies Ave. 1000' North of GSP	74 04 14.51	40 11 53.69
			NEPTUNE TWP	JUMPING BROOK - At Greensgrove & Corlies Aves	74 03 57.82	40 12 11.13
			LINCROFT	SWIMMING RIVER RESERVOIR - 1000' West of Swimming Riv.	74 07 13.35	40 19 14.70
1326004	MATCHAPONIX		MANASQUAN	MATCHAPONIX BROOK - At Wilson Ave.	74 11 50.42	40 11 33.20
1401001	TOWN OF BOONTON	201-299-7740	MONTVILLE	TAYLORTOWN RESERVOIR - At Taylortown Rd.	74 11 00.14	40 57 13.04

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER
MARCH 1992

PWSID#	PURVEYOR NAME	PHONE NUMBER	INTAKE MUNICIPALITY	INTAKE LOCATION	LONGITUDE	LATITUDE
1405001	BUTLER WATER DEPT	201-838-7200	BUTLER	LILCOOL RESERVOIR - At Resevior Rd.	74 21 58.45	40 59 24.13
1424001	SOUTH EAST MORRIS COUNTY	201-538-5400	RANDOLPH	CITYPC POND RESERVOIR - Cold Hill Rd & Woodland Rd	74 34 51.98	40 48 21.61
1504001	ERICI TWP	908-458-7000		RETTEDECONK RIVER	74 18 34.45	40 04 28.87
1403001	RATEDON WATER DEPT		RATEDON	RALEEON RESERVOIR - Lower Basin pump station at Belmont Ave.		
1605002	PASSAIC VALLEY WATER COMMISSION	201-256-1544	WAYNE	PONPTON RIVER - At Confluence of Ramapo & Pequannock Rivers		
			TOTOWA	PASSAIC RIVER - At Union Blvd.	74 13 51.49	40 52 58.44
1708300	E.I. DUPONT PENNSVILLE	609-299-5000		SALEM CANAL	75 30 19.63	39 41 68.91
0712001	SALEM WATER DEPT	609-935-0350	CLINTON TWP	LAUREL LAKE - At Waterworks Rd & Lake Ave.	75 24 28.33	39 32 52.41
			ALLOWAY TWP	FLANIGAN MILL POND - Waterworks Rd. 3 miles east of Laurel Lake (Seasonal)		
1903001	BRANCHVILLE WATER DEPARTMENT	201-948-4443	FRANKLFORD TWP	BRANCHVILLE RESERVOIR - 7300' northeast of Mattison Ave & Mattison School Rd.		
1904002	FRANKLIN WATER DEPT	201-827-7040	FRANKLIN BOROUGH	FRANKLIN POND - Franklin Ave. across from plant		
1915001	NEWTON WATER DEPT	201-383-3521	SPARTA TWP	MORRIS LAKE	74 34 17.07	41 08 14.40

STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SAFE DRINKING WATER
MARCH 1992

PWSID#	PURVEYOR NAME	PHONE NUMBER	INTAKE MUNICIPALITY	INTAKE LOCATION	LONGITUDE	LATITUDE
1921001	SUSSEX WATER DEPT	201-967-5622	WANTAGE TWP	COLESVILLE RESERVOIR - At Brink Rd. 400' west of Rt. 23		
2013001	RAHWAY WATER DEPT	201-388-0086	RAHWAY	RAHWAY RIVER - At pump station off Valley Rd & Lambert St.	74 17 24.57	40 37 06.41
2064002	ELIZABETHTOWN WATER COMPANY	201-345-4444	BRIDGEWATER TWP	RARITAN & MILLSTONE RIVERS - At confluence	74 34 01.82	40 32 33.33
2108001	HACKETTSTOWN MUA	201-852-5622	DRAKESTOWN	MINE HILL RESERVOIR - Off Mine Hill Rd.	74 47 41.62	40 51 23.77
			DRAKESTOWN	BURD RESERVOIR - Off Reservoir Rd. Southeast of	74 48 01.64	40 50 27.91

REFERENCE - 31

TERRESTRIAL ORGANISMS

Shown in BROWN; species with special status shown in RED(F) or (S) indicates species protected by Federal or State Legislation (see text)

SYMBOL SPECIES

PLANTS (301–350)

301 Eastern hemlock
302 Spleenwort (S)
303 Spider lily (S)
304 Pond bush (S)
305 Watermilfoil (S)
306 Hooded pitcher plant (S)
307 Tree
308 Prickly pear cactus (S)
309 Trailing arbulus (S)
310 Eastern bumelia
311 Pitcher plant
312 Baldcypress
313 Redbay
314 Seaside alder
315 Box huckleberry
316 Purple fringeless orchid
317 Pink lady's slipper
318 Ebony spleenwort (S)
319 Orchids (S)
320 Golden club (S)
321 Florida beargrass
322 East-coast coontie
323 Fall-flowering ixia
324 Jackson-vine
325 Spoon-flower
326 Curtiss milkweed
327 Sea lavender
328 Hand tern
329 Needle palm
330 Yellow squirrel-banana
331 Beach creeper
332 Florida coontie
333 Four-petal pawpaw
334 Bird's nest spleenwort
335 Burrowing four-o'clock
336 Beach star
337 Silver palm
338 Dancing lady orchid
339 Tamarindillo
340 Fuch's bromeliad
341 Everglades peperomia
342 Buccaneer palm
343 Slender spleenwort
344 Pineland jacquemontia
345 Mahogany mistletoe
346 Florida thatch
347 Twisted air plant
348 Long's bittercress
349 Venus's flytrap

INVERTEBRATES (351–400)

351 Monarch butterfly
352 Zebra butterfly

BIRDS (401–600)

SHOREBIRDS (401–430)

401 Shorebirds
402 Terns
403 Gulls
404 Forsler's tern
405 Arctic tern
406 Least tern (S)
407 Roseate tern (S)
408 Common tern
409 Great black-backed gull
410 Herring gull
411 Laughing gull
412 Black skimmer (S)
413 Turnstones
414 Plovers
415 Piping plover
416 American oystercatcher (S)

WADING BIRDS (431–460)

431 Wading birds
432 Herons
433 Egrets

40074-A1-EI-250

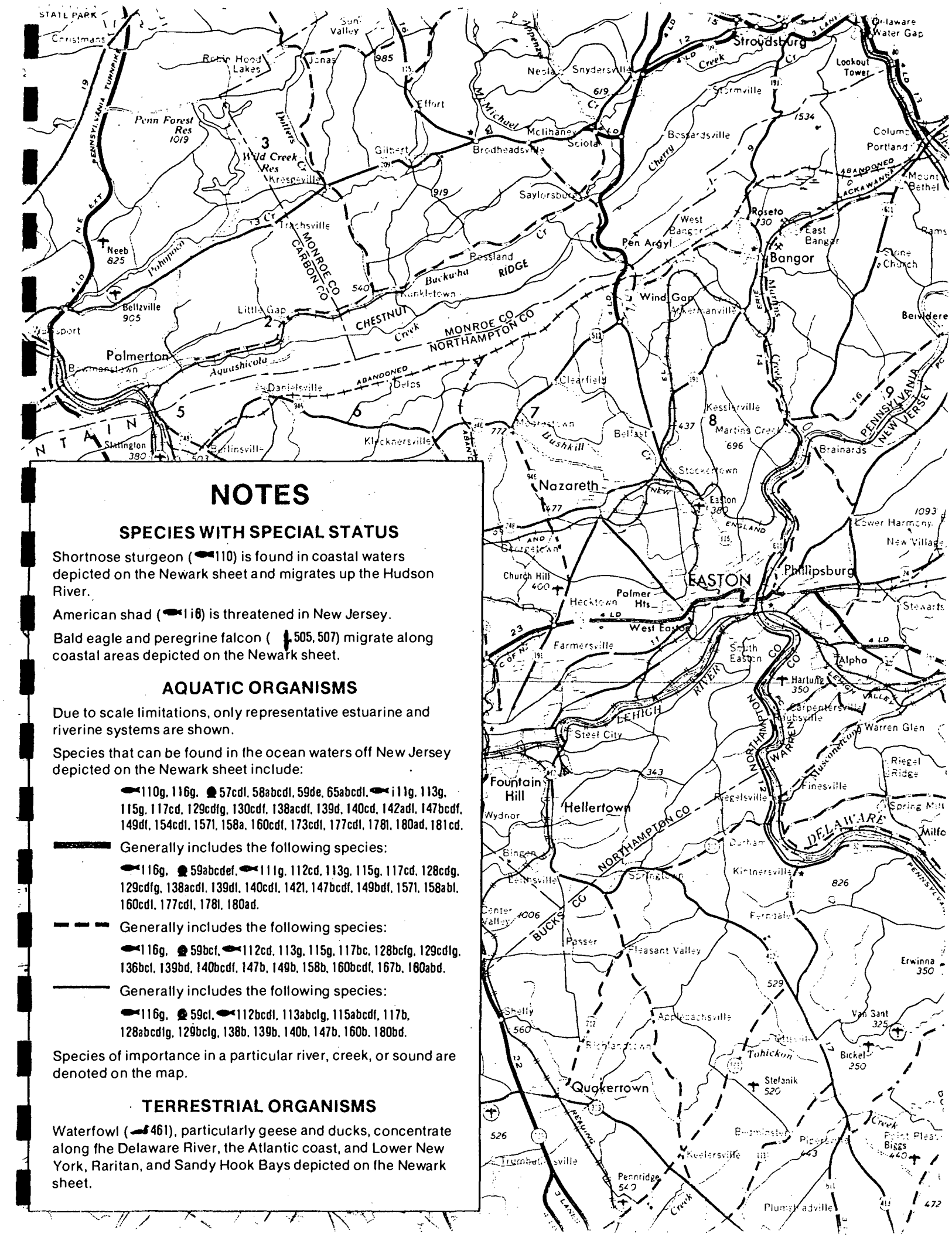
Newark

N. J.—N. Y.—PA.

1:250 000-scale map of

Atlantic Coast Ecological Inventory

Produced by
U. S. FISH AND WILDLIFE SERVICE
1980



NOTES

SPECIES WITH SPECIAL STATUS

Shortnose sturgeon (🐟110) is found in coastal waters depicted on the Newark sheet and migrates up the Hudson River.

American shad (🐟116) is threatened in New Jersey.

Bald eagle and peregrine falcon (505, 507) migrate along coastal areas depicted on the Newark sheet.

AQUATIC ORGANISMS

Due to scale limitations, only representative estuarine and riverine systems are shown.

Species that can be found in the ocean waters off New Jersey depicted on the Newark sheet include:

🐟110g, 116g, 57cdl, 58abcdl, 59de, 65abcdl, 🐟111g, 113g, 115g, 117cd, 129cdfg, 130cdf, 138acdf, 139d, 140cd, 142adl, 147bcdf, 149df, 154cdl, 157l, 158a, 160cdf, 173cdl, 177cdl, 178l, 180ad, 181cd.

Generally includes the following species:

🐟116g, 59abcdef, 🐟111g, 112cd, 113g, 115g, 117cd, 128cdg, 129cdfg, 138acdl, 139dl, 140cdl, 142l, 147bcdf, 149bdf, 157l, 158abl, 160cdl, 177cdl, 178l, 180ad.

Generally includes the following species:

🐟116g, 59bcf, 🐟112cd, 113g, 115g, 117bc, 128bcfg, 129cdlg, 136bcl, 139bd, 140bcdf, 147b, 149b, 158b, 160bcdf, 167b, 180abd.

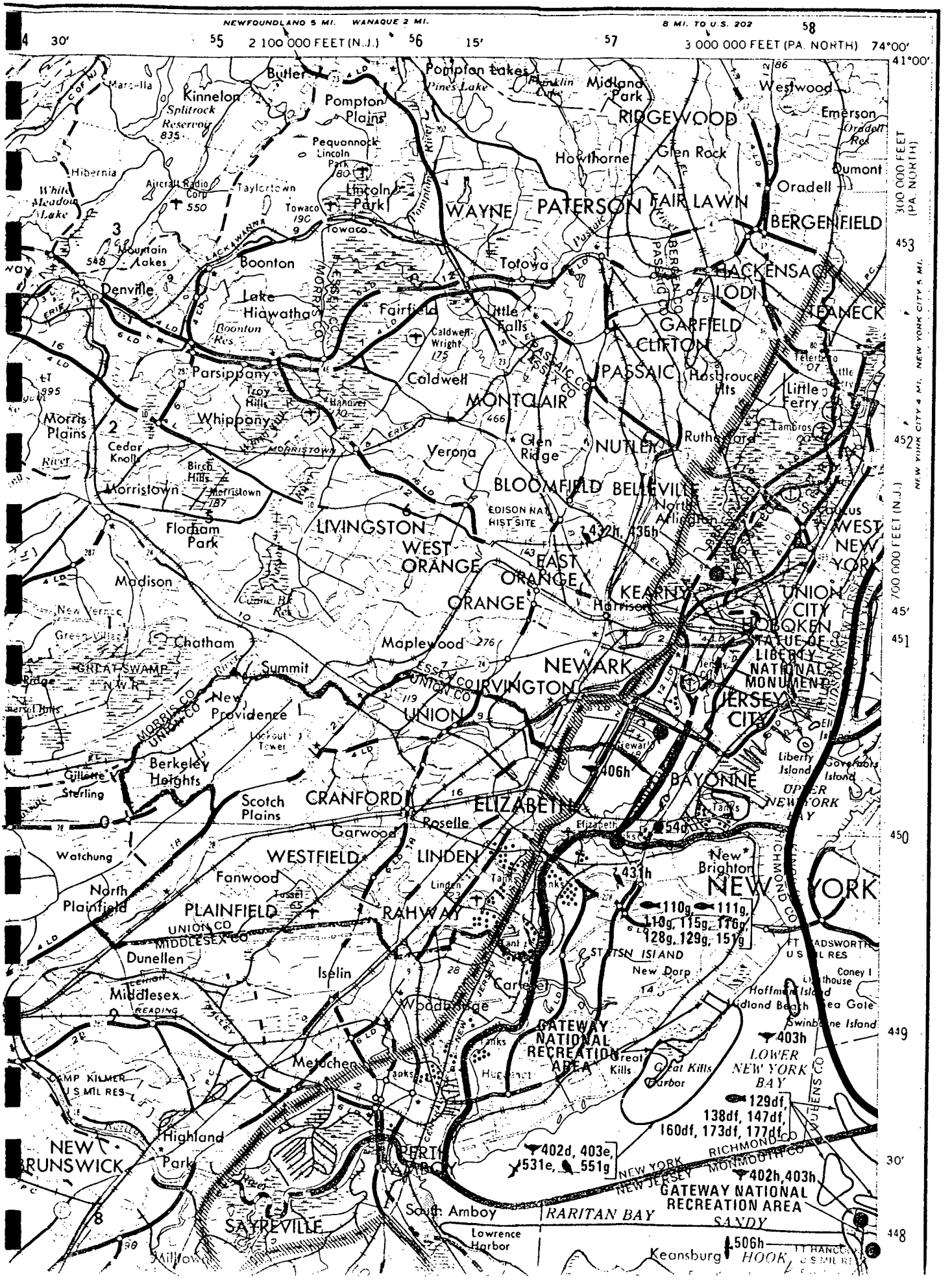
Generally includes the following species:

🐟116g, 59cl, 🐟112bcdl, 113abclg, 115abcdf, 117b, 128abcdlg, 129bclg, 138b, 139b, 140b, 147b, 160b, 180bd.

Species of importance in a particular river, creek, or sound are denoted on the map.

TERRESTRIAL ORGANISMS

Waterfowl (🐟461), particularly geese and ducks, concentrate along the Delaware River, the Atlantic coast, and Lower New York, Raritan, and Sandy Hook Bays depicted on the Newark sheet.


NEWFOUNDLAND 5 MI.
WANAQUE 2 MI.
8 MI. TO U.S. 202
2 100 000 FEET (N.J.)
3 000 000 FEET (PA. NORTH)
74°00'
41°00'
300 000 FEET (PA. NORTH)
700 000 FEET (N.J.)
NEW YORK CITY 4 MI.
NEW YORK CITY 5 MI.
Butler
Pompton Lakes
Midland Park
Westwood
Kinnelon
Pompton Plains
RIDGEWOOD
Emerson
Oradell Res
Pequannock
Lincoln Park
Hibernia
Howthorne
Glen Rock
Dumont
Aircraft Radio Corp
Taylortown
Towaco
Lincoln Park
WAYNE
PATERSON
FAIR LAWN
Oradell
BERGENFIELD
Mountain Lakes
Boonton
Totowa
HACKENSACK
Denville
Lake Hiawatha
Fairfield
Little Falls
LODI
TENAFLY
GARFIELD
CLIFTON
Parsippany
Caldwell
PASSAIC
Hasbrouck Hts
Little Ferry
MONTCLAIR
Morris Plains
Whippany
Glen Ridge
NUTLEY
Cedar Knolls
Verona
Morristown
BLOOMFIELD
BELLEVILLE
Florham Park
EDISON NAT HIST SITE
LIVINGSTON
WEST ORANGE
EAST ORANGE
KEARNY
Madison
ORANGE
Harrison
UNION CITY
HOBOKEN
STATUE OF LIBERTY NATIONAL MONUMENT
Chatham
Maplewood
GREAT SWAMP N.W.R.
Summit
NEWARK
IRVINGTON
JERSEY CITY
New Providence
UNION
Berkeley Heights
Gillette
Sterling
Scotch Plains
CRANFORD
ELIZABETH
BAYONNE
Liberty Island
Roselle
Garwood
Watchung
WESTFIELD
LINDEN
New Brighton
NEW YORK
Fanwood
North Plainfield
PLAINFIELD
RAHWAY
Dunellen
Iselin
Middlesex
Carteret
Woodbridge
New Dorp
STATEN ISLAND
GATEWAY NATIONAL RECREATION AREA
Great Kills
Great Kills Harbor
LOWER NEW YORK BAY
Metuchen
CAMP KILMER U.S. MIL RES
Highland Park
NEW BRUNSWICK
PERTH AMBOY
South Amboy
RARITAN BAY
SANDY HOOK
SAYREVILLE
Lawrence Harbor
Keansburg
110g, 111g, 113g, 115g, 116g, 128g, 129g, 151g
129df, 138df, 147df, 160df, 173df, 177df
402d, 403e, 531e, 551g
402h, 403h
406h
431h
432h, 436h
506h
GATEWAY NATIONAL RECREATION AREA
NEW YORK
NEW JERSEY
RICHMOND CO
QUEENS CO
MONMOUTH CO
UNION CO
ESSEX CO
MORRIS CO
MIDDLESEX CO
453
452
451
450
449
448
30'

REFERENCE - 32

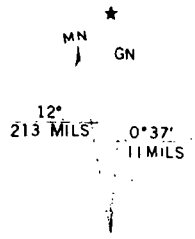
1.2 MI. TO INTERCHANGE 6

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER



UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4.4 FEET IN
UPPER BAY AND 4.8 FEET IN NEWARK BAY

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions
taken 19
field chec

Purple tir

ROAD CLASSIFICATION

Primary highway, all weather, hard surface

Light-duty road, all weather, improved surface

Secondary highway, all weather, hard surface

Unimproved road, fair or dry weather

Interstate Route U. S. Route State Route

QUADRANGLE LOCATION

shown in purple compiled from aerial photographs
76 and other sources. This information not
ked. Map edited 1981

it indicates extension of urban areas

JERSEY CITY, N. J.—N. Y.

N4037.5—W7400/7.5

1967
PHOTOREVISED 1981
DMA 6165 II NE-SERIES V822

Mapped by the Defense Mapping Agency
Edited and published by the Geological Survey

Control by NOS/NOAA, USCE, and New Jersey Geodetic Survey

Topography by photogrammetric methods from aerial photographs taken 1942–1943. Field checked 1943
Culture revised by the Geological Survey 1955

Polyconic projection. 10,000-foot grid ticks based on New Jersey coordinate system. 1000-meter Universal Transverse Mercator grid ticks, zone 18, shown in blue. 1927 North American Datum
To place on the predicted North American Datum 1983 move the projection lines 6 meters south and 34 meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

There may be private inholdings within the boundaries of the National or State reservations shown on this map

REFERENCE - 33

Form VEM-017

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY
AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number 031055 APC PLANT ID 30200

(Mailing Address)

BARTLO PACKAGING CO.
61 WILLETT ST
PASSAIC NJ 07055

(Plant Location)

61 WILLETT ST
PASSAIC

Applicant's Designation of Equipment KLEISSLER BAGHOUSE #2
N.J. Stack No. 004 No. of Stacks 001 No. of Sources 03
Approval 04/13/77 Effective 07/01/77 Expiration 07/01/97

* CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT *

* FIVE YEAR RENEWAL *

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW.(SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

RECEIVED
MAY 05 1992
By

Approved by:

PRO - PASSAIC COUNTY HEALTH DEPARTMENT